PRODUCT GUIDE
MODEL 463631810

IMPORTANT: Fill out the product record information below.

Serial Number _____
See rating label on grill for serial number.

Date Purchased _____

For support and to register your grill, please visit us at **www.charbroil.com**

If you have questions or need assistance during assembly, please call **1-800-241-7548**.

Estimated assembly time: 35-40 minutes

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Safety Symbols
The symbols and boxes shown below explain what each heading means. Read and follow all of the messages found throughout the manual.

WARNING

WARNING: Indicates an potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

CAUTION: Indicates a potentially hazardous situation or unsafe practice which, if not avoided, may result in minor or moderate injury.

DANGER

DANGER: Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

DANGER

If you smell gas:

1. **Shut off gas to the appliance.**
2. **Extinguish any open flame.**
3. **Open lid.**
4. **If odor continues, keep away from the appliance and immediately call your gas supplier or your fire department.**

WARNING

1. **Do not store or use gasoline or other flammable liquids or vapors in the vicinity of this or any other appliance.**
2. **An LP cylinder not connected for use shall not be stored in the vicinity of this or any other appliance.**

CAUTION

For residential use only. Do not use for commercial cooking.

THIS GRILL IS FOR OUTDOOR USE ONLY.

⚠ CAUTION:

Read and follow all safety statements, assembly instructions, and use and care directions before attempting to assemble and cook.

INSTALLER/ASSEMBLER:

Leave this manual with consumer.

CONSUMER:

Keep this manual for future reference.

⚠ WARNING:

Failure to follow all manufacturer's instructions could result in serious personal injury and/or property damage.

⚠ CAUTION:

Some parts may contain sharp edges – especially as noted in the manual! Wear protective gloves if necessary.

WARNING

CALIFORNIA PROPOSITION 65

1. Combustion by-products produced when using this product contain chemicals known to the State of California to cause cancer, birth defects, and other reproductive harm.

2. This product contains chemicals, including lead and lead compounds, known to the State of California to cause cancer, birth defects or other reproductive harm.

Wash your hands after handling this product.

Installation Safety Precautions

- Use grill, as purchased, only with LP (propane) gas and the regulator/valve assembly supplied. If your grill is Dual Fuel ready, a conversion kit must be purchased for use with natural gas.
- Grill installation must conform with local codes, or in their absence of local codes, with either the *National Fuel Gas Code, ANSI Z223.1/ NFPA 54, Natural Gas and Propane Installation Code, CSA B149.1, or Propane Storage and Handling Code, B149.2, or the Standard for Recreational Vehicles, ANSI A 119.2/NFPA 1192, and CSA Z240 RV Series, Recreational Vehicle Code, as applicable.*
- All electrical accessories (such as rotisserie) must be electrically grounded in accordance with local codes, or *National Electrical Code, ANSI / NFPA 70 or Canadian Electrical Code, CSA C22.1.* Keep any electrical cords and/or fuel supply hoses away from any hot surfaces.
- This grill is safety certified for use in the United States and/or Canada only. Do not modify for use in any other location. Modification will result in a safety hazard.

WARNING

Do not attempt to repair or alter the hose/valve/regulator for any "assumed" defect. Any modification to this assembly will void your warranty and create the risk of a gas leak and fire. Use only authorized replacement parts supplied by manufacturer.

CAUTION

Using pots larger than 6 quarts in capacity could exceed weight limit of the side burner shelf or side shelf, resulting in failure of grill cart components.

GRILLING GUIDE – Getting Started

First Time Use
Read your Assembly Manual and ensure the grill is put together properly. Remove all Point-of-Purchase advertising material from all grill surfaces before first use. We recommend operating your grill on its highest setting for 15-20 minutes prior to your first use. This aids in removing the oils used during manufacturing.

Lava Rock / Briquettes
This gas grill has been designed, engineered, and tested to be used with flame tamers or heat distribution plates to provide more even heating, improve the cleaning process, and reduce flare-ups. The addition of after market lava rocks, charcoal, or briquettes of any type will cause poor combustion and increase the likelihood of a grease fire, and is not recommended. Using briquettes, lava rock, or charcoal in this grill will void your warranty. For extra smoke flavor, we recommend using a smoker box with wood chips.

Temperature
The temperature gauge in the hood of your new grill measures air temperature. The air temperature inside your grill will never be as hot as the temperature at the cooking surface.

Note: Since 1995, all regulators (the part that attaches to the gas tank to regulate the flow of gas) have included a safety feature that restricts gas flow in the event of a gas leak. You can inadvertently activate this safety feature without having a gas leak. This typically occurs when you turn on the gas using the grill control knob before you turn on the LP tank valve. If the gas regulator safety feature activates, the grill will only reach temperatures between 250°F and 300°F even with all burners on the high setting.

If your grill is not getting hotter than 250°F to 300°F these steps should be taken first to reset the gas regulator safety device:
1. Open the grill lid.
2. Turn off all knobs on the control panel in front.
3. Turn off the tank knob.
4. Disconnect the regulator from the LP tank.
5. Wait 30 seconds.
6. Reconnect the regulator to the LP tank.
7. Slowly open the LP tank knob all the way. Do not put excessive force on the valve at the full open position to avoid damaging the valve.
8. Turn on the appropriate control knob and light the grill per the instructions on the control panel.

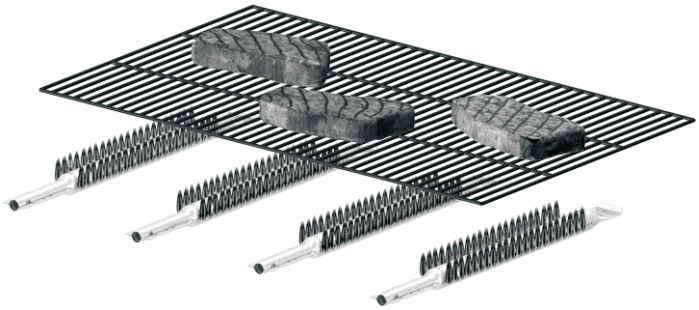
An illustration of this process is included in this Product Guide. See Troubleshooting section for additional information.

Pre-Heating Your Grill
Just like your home oven, your grill should be pre-heated to provide optimum performance. Pre-heat the grill on high for 10-15 minutes – longer if weather conditions require. Please refer to the lighting instructions inside the Product Guide if you have questions about how to light your grill. A match-light chain and hole is provided for your convenience.

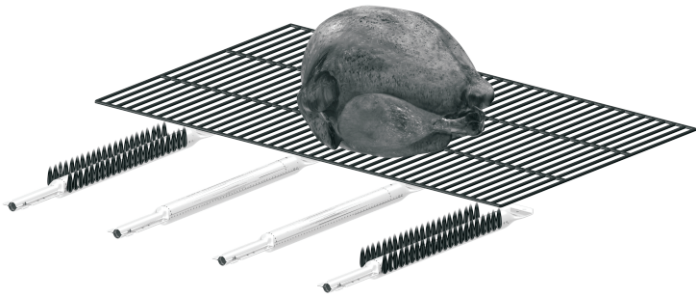
GRILLING GUIDE – Grilling 101

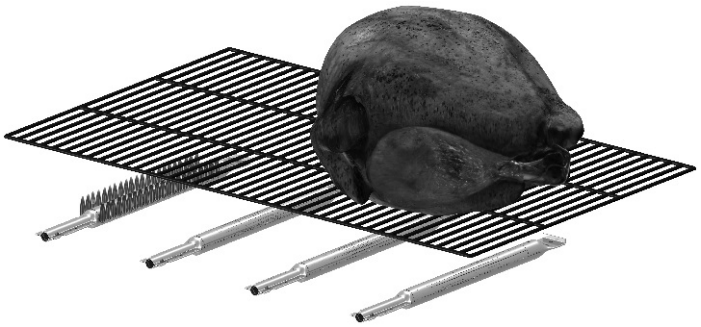
Outdoor grilling is really quite simple. You'll succeed with burgers, dogs, or steaks usually on your very first try. With experience, you will learn how to work with your grill, creating more imaginative meals all the time. This knowledge makes up the art of grilling. Before you start grilling, organize your food according to cooking technique and required cooking time, and optimize the use of your grilling area.

Direct Cooking
Direct cooking involves grilling your meat directly over high heat. It is perfect for searing steaks, chops, and other smaller pieces of meat and vegetables that quickly make their way to the table.

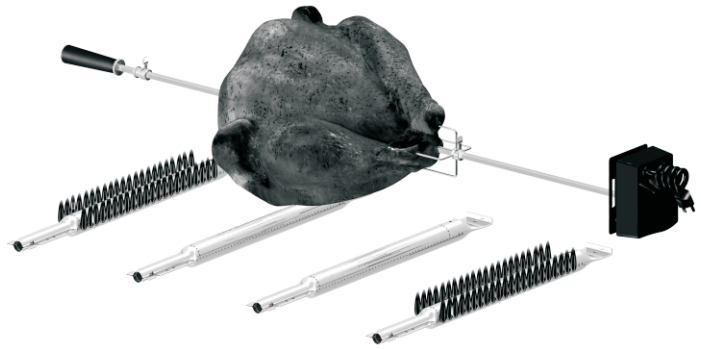


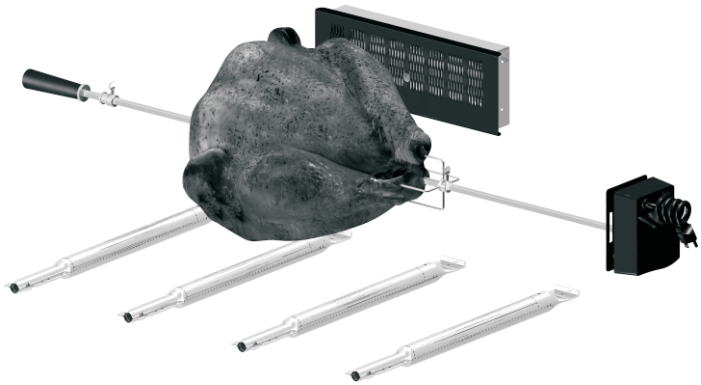
Indirect Cooking
Indirect cooking utilizes select burners to circulate heat throughout the grill, without direct contact between the meat and the flame. The meat is placed over the burner that is 'off'. This method is generally used to slow cook large cuts of meat and poultry. A pan can be placed underneath the meat to catch grease and food drippings, and helps minimize clean-up.





Rotisserie Cooking
Rotisserie cooking is best for 'round' meat, such as large roasts, whole poultry, and pork. It generally requires an accessory motor and spit rod that allows the meat to be turned at a constant speed. Rotisserie cooking is best done in front of a special rotisserie burner, or utilizing an indirect cooking burner arrangement. A pan can be placed underneath the meat to catch grease and food drippings, and helps minimize clean-up.





Food Safety
Food safety is a very important part of enjoying the outdoor cooking experience. To keep food safe from harmful bacteria, follow these four basic steps:

Clean: Wash hands, utensils, and surfaces with hot soapy water before and after handling raw meat.
Separate: Separate raw meats from ready-to-eat foods to avoid cross contamination. Use a clean platter and utensils when removing cooked foods.
Cook: Cook meat and poultry thoroughly to kill bacteria. Use a thermometer to ensure proper internal food temperatures.
Chill: Refrigerate prepared foods and leftovers promptly.

GRILLING GUIDE – Tips & Tricks

Cooking on your new grill is a hands-on experience, and it is recommended to remain outside with your grill while cooking. Grilling can be affected by many external conditions. In cold weather, you will need more heat to reach an ideal cooking temperature, and grilling may take longer. The meat's internal temperature and thickness can also affect cooking times. Cold and thicker meats will take longer to cook.

Internal Meat Temperatures
Meat cooked on a grill often browns very fast on the outside. Therefore, use a meat thermometer to ensure it has reached safe internal temperatures.

USDA Recommended Safe Minimum Internal Temperatures	
Beef, Veal, Lamb, Steaks, & Roasts	145° F
Fish	145° F
Pork	160° F
Beef, Veal, Lamb Ground	160° F
Egg Dishes	160° F
Turkey, Chicken & Duck Whole, Pieces & Ground	165° F

Please refer to the USDA for complete, up-to-date information. Our internal temperature chart is based on USDA standards for meat doneness. Check it out at www.isitdoneyet.gov

Sauces
Sauces containing sugars and fats can cause flare-ups, and your food may burn. In general, apply these sauces during the final 10 minutes of cooking. Keep in mind, use of excessive sauces or glazes will also require extra cleaning afterwards.

Marinades and Rubs
To enhance the flavor of grilled foods, a liquid marinade or dry rub can be used prior to cooking. Meat can be either soaked or injected with liquid marinade up to 24 hours prior to grilling. Dry rubs can be applied directly to the meat immediately before grilling.

Wood Chips
For extra smoke flavor when grilling, try adding wood chips. Soak the chips in water for approximately 30 minutes before adding to a smoke box or pan. Place smoke box or pan on top of the cooking grate above the flame. Turn grill on high until the wood starts to smoke. Reduce heat to desired temperature for cooking, and place food on cooking grate as desired. Close lid to retain more smoke. Hardwood varieties that work particularly well with grilled foods include Alder, Apple, Cherry, Grapevines, Hickory, Mesquite, Oak, Rosemary and Sassafras.

Skewers
Metal skewers should be flat, with long handles. Round skewers allow food to roll when turned, so it may not cook as evenly. Use metal skewers when cooking meat kabobs. Wooden skewers should be soaked in water for an hour before use, and are best used for quick cooking foods such as vegetables and fruits.

Utensils
Use tongs or a spatula to handle the food instead of a fork, and don't turn the food too often. Piercing the food with a fork will release juices that you want in the meat, and may cause flare-ups.

GRILLING GUIDE – Cleaning Your Grill

Why Clean?
We've all heard the saying, 'an ounce of prevention is worth a pound of cure.' This is great advice when it comes to keeping your grill clean.

Routine Care

Periodic cleaning of this grill is necessary, as grill fires can occur when grease and food debris collect in the bottom of the grill. After each use, remove any remaining food particles from the cooking grate and inside of the grill using a grill brush. Do this after the grill has cooled down, yet is still warm. It is much easier to clean food particles while warmth is still present, than after the food particles have completely cooled and hardened. This grill is not designed to be 'burned off' by closing the lid and turning the burners on High for an extended time. The excessive heat generated can cause leftover grease to catch fire, and can cause permanent damage to your grill.

General Cleaning
Plastic parts: Wash with warm soapy water and wipe dry. Do not use abrasive cleaners, degreasers or a concentrated grill cleaner on plastic parts. Damage to and failure of parts can result.

Porcelain surfaces: Because of glass-like composition, most residue can be wiped away with baking soda/water solution or glass cleaner. Use non-abrasive scouring powder for stubborn stains.

Painted surfaces: Wash with mild detergent or non-abrasive cleaner and warm water. Wipe dry with a soft non-abrasive cloth.

Stainless steel surfaces: Stainless steel can rust under certain conditions. This can be caused by environmental conditions such as chlorine or salt water, or improper cleaning tools such as wire or steel wool. It can also discolor due to heat, chemicals, or grease build-up. To maintain your grill's high quality appearance, wash with mild detergent and warm water, or use a stainless steel grill cleaner. Baked-on grease deposits may require the use of an abrasive plastic cleaning pad. Use only in direction of brushed finish to avoid damage. Do not use abrasive pad on areas with graphics.

Cooking surfaces: If a bristle brush is used to clean any of the grill cooking surfaces, ensure no loose bristles remain on cooking surfaces prior to grilling. It is not recommended to clean cooking surfaces while grill is hot.

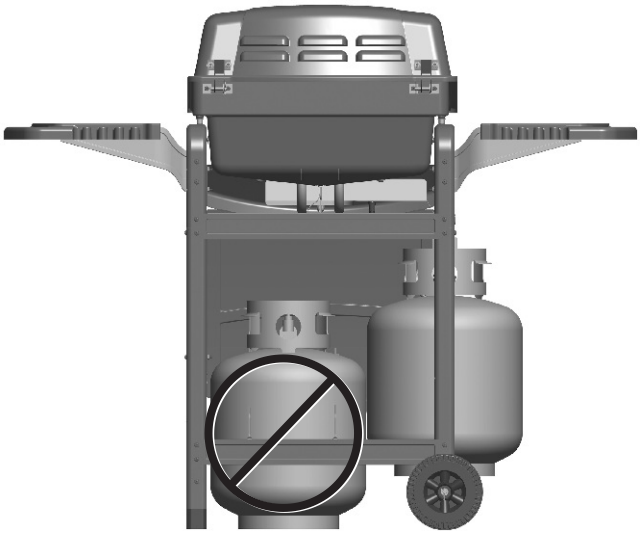
Storing Your Grill
- Clean cooking grates.
- Store grill in dry location.
- When LP cylinder is connected to grill, store outdoors in a well ventilated space and out of reach of children.
- Cover grill if stored outdoors. Choose from a variety of grill covers offered by manufacturer.
- Store grill indoors ONLY if LP cylinder is turned off, disconnected, and removed from grill. Never store LP cylinder indoors.
- When removing grill from storage, follow the 'Cleaning the Burner Assembly' instructions in the Use and Care section of the Product Guide.

Critters
Spiders like to make their homes in the venturi tubes of grills. These must be inspected and cleaned regularly to ensure there are no blockages. Refer to the Use and Care portion of this Product Guide for complete information.

USE AND CARE

DANGER

- **NEVER store a spare LP cylinder under or near the appliance or in an enclosed area.**

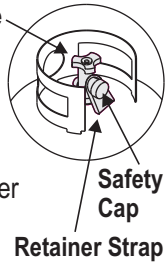


- **Never fill a cylinder beyond 80% full.**
- **An over filled or improperly stored cylinder is a hazard due to possible gas release from the safety relief valve. This could cause an intense fire with risk of property damage, serious injury or death.**
- **If you see, smell or hear gas escaping, immediately get away from the LP cylinder/appliance and call your fire department.**

LP Cylinder Removal, Transport and Storage

•Turn OFF all control knobs and LP cylinder valve. Turn coupling nut counterclockwise by hand only - do not use tools to disconnect. Loosen cylinder screw beneath bottom shelf, then lift LP cylinder up and out of cart. Install safety cap onto LP cylinder valve. Always use cap and strap supplied with valve. **Failure to use safety cap as directed may result in serious personal injury and/or property damage.**

•A disconnected LP cylinder in storage or being transported must have a safety cap installed (as shown). Do not store an LP cylinder in enclosed spaces such as a carport, garage, porch, covered patio or other building. Never leave an LP cylinder inside a vehicle which may become overheated by the sun.



•Do not store an LP cylinder in an area where children play.

LP Cylinder

•The LP cylinder used with your grill must meet the following requirements:

•Use LP cylinders only with these required measurements: 12" (30.5cm) (diameter) x 18" (45.7 cm) (tall) with 20 lb. (9 kg.) capacity maximum.

•LP cylinders must be constructed and marked in accordance with specifications for LP cylinders of the U.S. Department of Transportation (DOT) or for Canada, CAN/CSA-B339, cylinders, spheres and tubes for transportation of dangerous goods. Transport Canada (TC). See LP cylinder collar for marking.

•LP cylinder valve must have:

- •Type 1 outlet compatible with regulator or grill.
- •Safety relief valve.
- •UL listed Overfill Protection Device (OPD). This OPD safety feature is identified by a unique triangular hand wheel. **Use only LP cylinders equipped with this type of valve.**

OPD Hand Wheel

•LP cylinder must be arranged for vapor withdrawal and include collar to protect LP cylinder valve. Always keep LP cylinders in upright position during use, transit or storage.

LP cylinder in upright position for vapor withdrawal

LP (Liquefied Petroleum Gas)

•LP gas is nontoxic, odorless and colorless when produced. **For Your Safety**, LP gas has been given an odor (similar to rotten cabbage) so that it can be smelled.

•LP gas is highly flammable and may ignite unexpectedly when mixed with air.

LP Cylinder Filling

•Use only licensed and experienced dealers.

•LP dealer **must purge new cylinder** before filling.

•Dealer should **NEVER** fill LP cylinder more than 80% of LP cylinder volume. Volume of propane in cylinder will vary by temperature.

•A frosty regulator indicates gas overfill. Immediately close LP cylinder valve and call local LP gas dealer for assistance.

•Do not release liquid propane (LP) gas into the atmosphere. This is a hazardous practice.

•To remove gas from LP cylinder, contact an LP dealer or call a local fire department for assistance. Check the telephone directory under “Gas Companies” for nearest certified LP dealers.

LP Cylinder Exchange

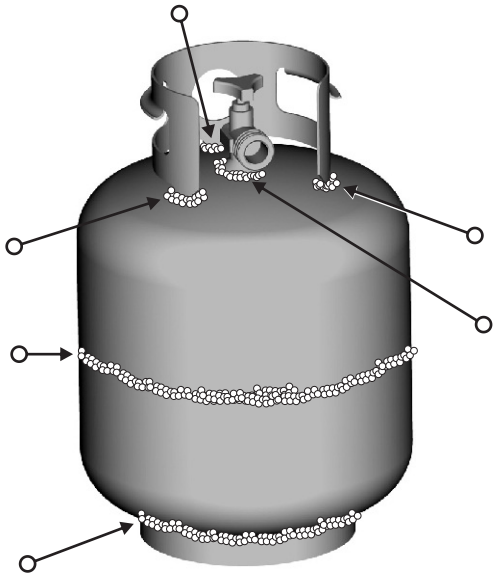
- Many retailers that sell grills offer you the option of replacing your empty LP cylinder through an exchange service. Use only those reputable exchange companies that inspect, precision fill, test and certify their cylinders. **Exchange your cylinder only for an OPD safety feature-equipped cylinder as described in the "LP Cylinder" section of this manual.**
- Always keep new and exchanged LP cylinders in upright position during use, transit or storage.
- **Leak test new and exchanged LP cylinders BEFORE connecting to grill.**
- Place dust cap on cylinder valve outlet whenever the cylinder is not in use. Only install the type of dust cap on the cylinder valve outlet that is provided with the cylinder valve. Other types of caps or plugs may result in leakage of propane.

LP Cylinder Leak Test

For your safety

- Leak test must be repeated each time LP cylinder is exchanged or refilled.
- Do not smoke during leak test.
- Do not use an open flame to check for gas leaks.
- Grill must be leak tested outdoors in a well-ventilated area, away from ignition sources such as gas fired or electrical appliances. During leak test, keep grill away from open flames or sparks.
- Use a clean paintbrush and a 50/50 mild soap and water solution. Brush soapy solution onto areas indicated by arrows in figure below.

▲ **Do not use household cleaning agents.** Damage to gas train components can result.



WARNING

If “growing” bubbles appear do not use or move the LP cylinder. Contact an LP gas supplier or your fire department!

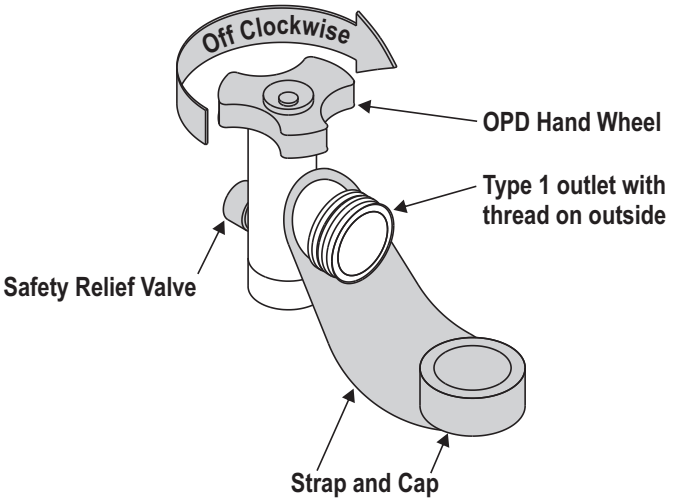
Connecting Regulator to the LP Cylinder

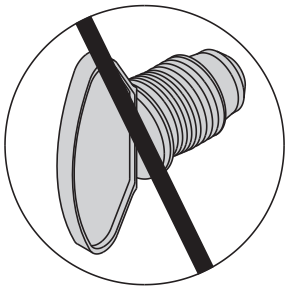
1. LP cylinder must be properly secured onto grill. (Refer to assembly section.)

2. Turn all control knobs to the OFF position.

3. Turn LP cylinder OFF by turning hand-wheel clockwise to a **full stop**.

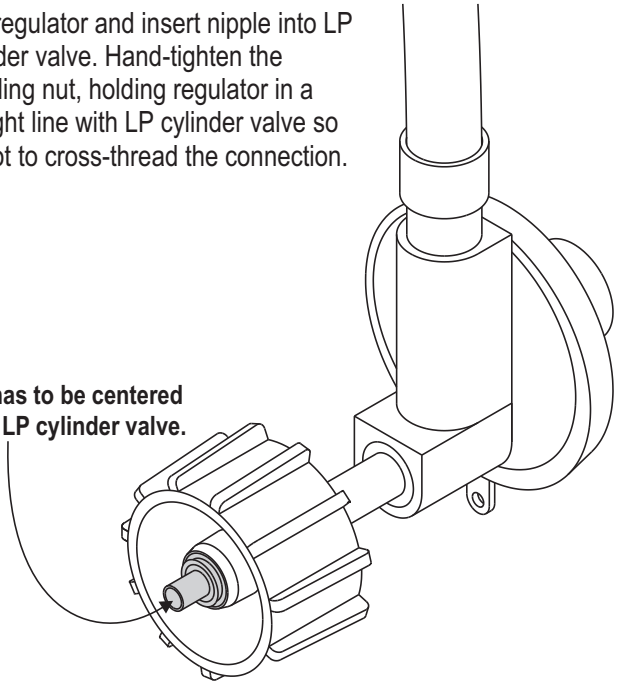
4. Remove the protective cap from LP cylinder valve. Always use cap and strap supplied with valve.

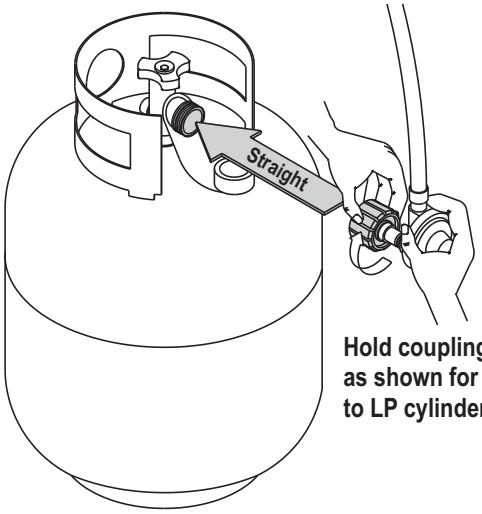




Do not use a POL transport plug (plastic part with external threads)! It will defeat the safety feature of the valve.

5. Hold regulator and insert nipple into LP cylinder valve. Hand-tighten the coupling nut, holding regulator in a straight line with LP cylinder valve so as not to cross-thread the connection.





Hold coupling nut and regulator as shown for proper connection to LP cylinder valve.

6.Turn the coupling nut clockwise and tighten to a full stop. The regulator will seal on the back-check feature in the LP cylinder valve, resulting in some resistance. **An additional one-half to three-quarters turn is required to complete the connection. Tighten by hand only – do not use tools.**

NOTE:

If you cannot complete the connection, disconnect regulator and repeat steps 5 and 6. If you are still unable to complete the connection, **do not use this regulator!**

DANGER

- Do not insert any tool or foreign object into the valve outlet or safety relief valve. You may damage the valve and cause a leak. Leaking propane may result in explosion, fire, severe personal injury, or death.

WARNING

- Outdoor gas appliance is not intended to be installed in or on a boat.
- Outdoor gas appliance is not intended to be installed in or on an RV.
- Never attempt to attach this grill to the self-contained LP gas system of a camper trailer or motor home.
- Do not use grill until leak-tested.
- If a leak is detected at any time, STOP and call the fire department.
- If you cannot stop a gas leak, *immediately* close LPcylinder valve and call LP gas supplier or your fire department!

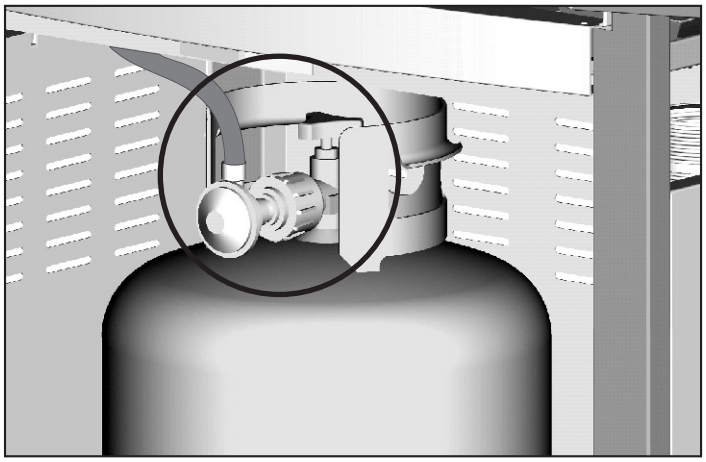
Leak Testing Valves, Hose and Regulator

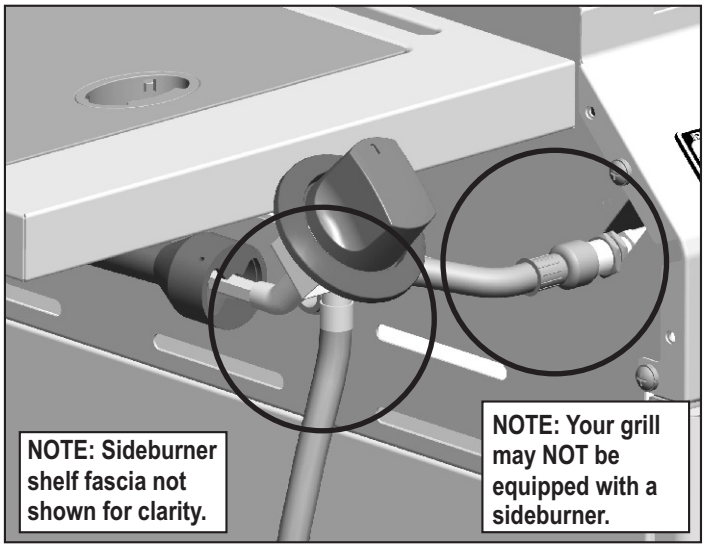
1.Turn all grill control knobs to OFF.

2.Be sure regulator is tightly connected to LP cylinder.

3.Completely open LP cylinder valve by turning hand wheel counterclockwise. If you hear a *rushing sound*, turn gas off immediately. There is a major leak at the connection. **Correct before proceeding**.

4.Brush soapy solution onto areas circled below, or other similar fittings on your grill.





5.If "growing" bubbles appear, there is a leak. Close LP cylinder valve immediately and retighten connections. **If leaks cannot be stopped do not try to repair.** Call for replacement parts.

6.Always close LP cylinder valve after performing leak test by turning hand wheel clockwise.

WARNING

For Safe Use Of Your Grill And To Avoid Serious Injury:

•Do not let children operate or play near grill.

•Keep grill area clear and free from materials that burn.

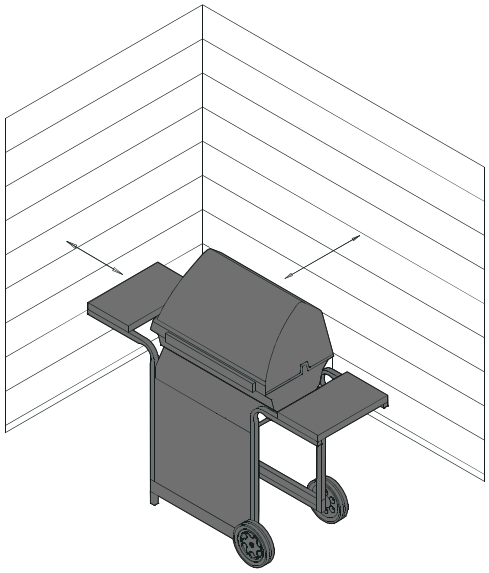
•Do not block holes in bottom or back of grill.

•Check burner flames regularly.

•Use grill only in well-ventilated space. NEVER use in enclosed space such as carport, garage, porch, covered patio, or under an overhead structure of any kind.

•Do not use charcoal or ceramic briquets in a gas grill. (*Unless briquets are supplied with your grill.)*

•**Use grill at least 3 ft. from any wall or surface.** Maintain 10 ft. clearance to objects that can catch fire or sources of ignition such as pilot lights on water heaters, live electrical appliances, etc.



•**Apartment Dwellers:**

Check with management to learn the requirements and fire codes for using an LP gas grill in your apartment complex. If allowed, use outside on the ground floor with a three (3) foot clearance from walls or rails. Do not use on or under balconies.

•**NEVER attempt to light burner with lid closed. A buildup of non-ignited gas inside a closed grill is hazardous.**

•**Never operate grill with LP tank out of correct position specified in assembly instructions.**

•**Always close LP tank valve and remove coupling nut before moving LP tank from specified operation position.**

Safety Tips

▲ Before opening LP cylinder valve, check the coupling nut for tightness.

▲ When grill is not in use, turn off all control knobs and LP cylinder valve.

▲ If the outdoor cooking gas appliance is not in use, the gas must be turned off at the supply cylinder. Storage of an outdoor cooking gas appliance indoors is permissible only if the cylinder is disconnected and removed from the appliance.

▲ Never move grill while in operation or still hot.

▲ Use long-handled barbecue utensils and oven mitts to avoid burns and splatters.

▲ Maximum load for side shelves is 10 lbs.

▲ The grease cup **must** be inserted into grease clip and emptied after each use. Do not remove grease cup until grill has completely cooled.

▲ Clean grill often, preferably after each cookout. If a bristle brush is used to clean any of the grill cooking surfaces, ensure no loose bristles remain on cooking surfaces prior to grilling. It is not recommended to clean cooking surfaces while grill is hot.

▲ If you notice grease or other hot material dripping from grill onto valve, hose or regulator, turn off gas supply at once. Determine the cause, correct it, then clean and inspect valve, hose and regulator before continuing. Perform a leak test.

▲ The regulator may make a humming or whistling noise during operation. This will not affect safety or use of grill.

▲ Only use the pressure regulator and hose assembly supplied with this grill. Replacement pressure regulator and hose assemblies must be specified or supplied by Char-Broil, LLC.

▲ If you have a grill problem see the *"Troubleshooting Section"*.

▲ If the regulator frosts, turn off grill and LP cylinder valve immediately. This indicates a problem with the cylinder and it should not be used on any product. Return to supplier!

CAUTION

•**Putting out grease fires by closing the lid is not possible. Grills are well ventilated for safety reasons.**

•**Do not use water on a grease fire. Personal injury may result. If a grease fire develops, turn knobs and LP tank off.**

•**Do not leave grill unattended while preheating or burning off food residue on high. If grill has not been regularly cleaned, a grease fire can occur that may damage the product. Follow instructions on General Grill Cleaning and Cleaning The Burner Assembly to prevent grease fires.**

Ignitor Lighting

▲ Do not lean over grill while lighting.

1. Turn **OFF** gas burner control valves.
2. Turn **ON** gas at LP cylinder.
3. **Open lid during lighting.**
4. To ignite, turn left knob to the ⚡ position.
5. Push **IGNITOR** button rapidly.
6. If ignition does NOT occur in 5 seconds, turn the burner controls **OFF**, wait 5 minutes and repeat the lighting procedure.
7. To ignite right burner, turn knob to the 🔥 position.
   If ignitor does not work, follow match lighting instructions.
   After Lighting: Turn knobs to **HI** position for warm-up.

WARNING

Turn controls and gas source or tank OFF when not in use.

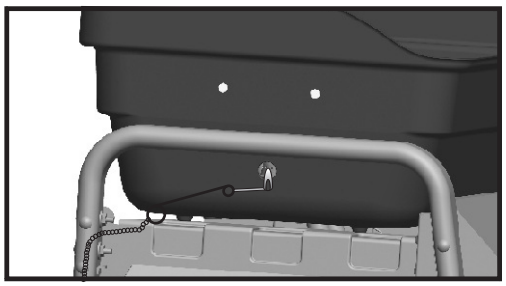
CAUTION

If burner does not light, turn knobs to OFF, wait 5 minutes, and try again. Always close valve during the 5 minute waiting period. If the burner does not ignite with the valve open, gas will continue to flow out of the burner and could accidentally ignite with risk of injury.

Match-Lighting

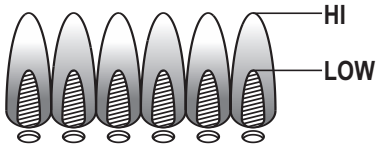
▲ Do not lean over grill while lighting.

1. Turn **OFF** gas burner control valves.
2. Turn **ON** gas at LP cylinder.
3. **Open lid during lighting.**
4. Place match into match holder (hanging from side of cart). Strike the match.
5. Place lit match through the match light hole and near the burner. Push in and turn left knob to the ⚡ position. Be sure the burner lights and stays lit.
6. Light right burner by pushing knob in and turning to the 🔥 position.



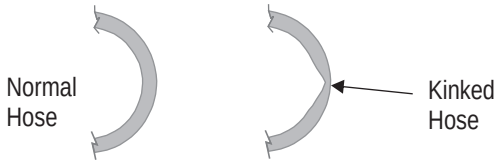
Burner Flame Check

- Remove cooking grates and flametamers. Light burner, rotate knobs from **HI** to **LOW**. You should see a smaller flame in **LOW** position than seen on **HI**. Always check flame prior to each use. If only low flame is seen refer to "Sudden drop or low flame" in the *Troubleshooting Section*.



Hose Check

- Before each use, check to see if hoses are cut, worn or kinked. Replace damaged hoses before using grill. Use only valve/hose/regulator specified in the Parts List.



Turning Grill Off

- Turn all knobs to **OFF** position. Turn LP tank off by turning OPD hand wheel clockwise to a full stop.

Ignitor Check

- **Turn gas off at LP tank.** Press and hold ignitor button. "Click" should be heard and spark seen each time between collector box or burner and electrodes. See *"Troubleshooting"* if no click or spark.

Valve Check

- **Important: Make sure gas is off at LP tank before checking valves**. Knobs lock in **OFF** position. To check valves, first push in knobs and release, knobs should spring back. If knobs do not spring back, replace valve assembly before using grill. Turn knobs to **LOW** position then turn back to **OFF** position. Valves should turn smoothly.

General Grill Cleaning

- Do not mistake brown or black accumulation of grease and smoke for paint. Interiors of gas grills are not painted at the factory **(and should never be painted)**. Apply a strong solution of detergent and water or use a grill cleaner with scrub brush on insides of grill lid and bottom. Rinse and allow to completely air dry. **Do not apply a caustic grill/oven cleaner to painted surfaces.**
- **Plastic parts:** Wash with warm soapy water and wipe dry. ▲Do not use citrisol, abrasive cleaners, degreasers or a concentrated grill cleaner on plastic parts. Damage to and failure of parts can result.
- **Porcelain surfaces:** Because of glass-like composition, most residue can be wiped away with baking soda/water solution or specially formulated cleaner. Use nonabrasive scouring powder for stubborn stains.
- **Painted surfaces:** Wash with mild detergent or nonabrasive cleaner and warm soapy water. Wipe dry with a soft nonabrasive cloth.

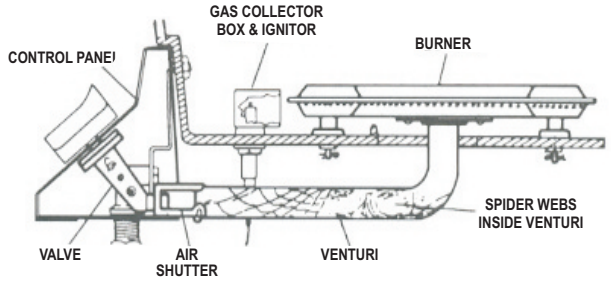
- **Plated wire grates:** Wash grates with concentrated grill cleaner or use soap and water solution. Dry thoroughly and store indoors between cookouts.
- **Stainless steel surfaces:** To maintain your grill's high quality appearance, wash with mild detergent and warm soapy water and wipe dry with a soft cloth after each use. Baked-on grease deposits may require the use of an abrasive plastic cleaning pad. Use only in direction of brushed finish to avoid damage. Do not use abrasive pad on areas with graphics.
- **Cooking surfaces:** If a bristle brush is used to clean any of the grill cooking surfaces, ensure no loose bristles remain on cooking surfaces prior to grilling. It is not recommended to clean cooking surfaces while grill is hot.

Storing Your Grill

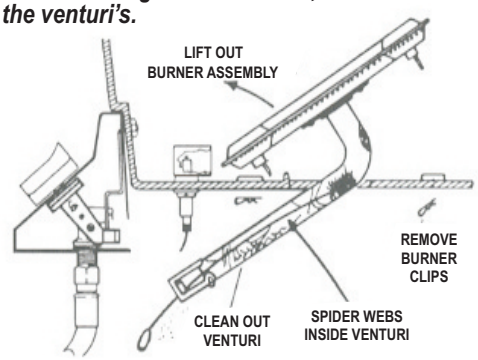
- Clean cooking grates.
- Store in dry location.
- When LP cylinder is connected to grill, store outdoors in a well-ventilated space and out of reach of children.
- Cover grill if stored outdoors. Choose from a variety of grill covers offered by manufacturer.
- Store grill indoors ONLY if LP cylinder is turned off and disconnected, removed from grill and stored outdoors.
- When removing grill from storage, follow "*Cleaning the Burner Assembly*" instructions before starting grill.

CAUTION

SPIDER ALERT!



If you notice that your grill is getting hard to light or that the flame isn't as strong as it should be, take the time to check and clean the venturi's.



In some areas of the country, spiders or small insects have been known to create "flashback" problems. The spiders spin webs, build nests and lay eggs in the grill's venturi tube(s) obstructing the flow of gas to the burner. The backed-up gas can ignite in the venturi behind the control panel. This is known as a flashback and it can damage your grill and even cause injury.

To prevent flashbacks and ensure good performance the burner and venturi assembly should be removed from the grill and cleaned before use whenever the grill has been idle for an extended period.

Cleaning the Burner Assembly

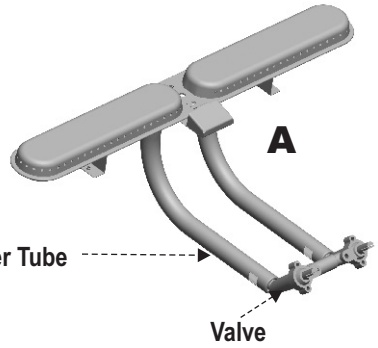
Follow these instructions to clean and/or replace parts of burner assembly or if you have trouble igniting grill.

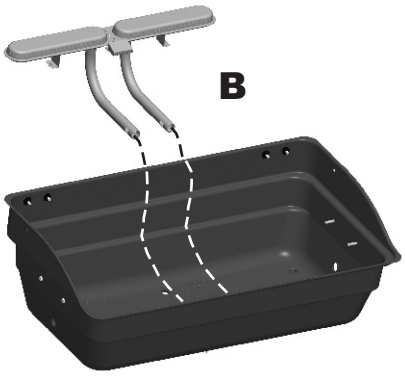
1. **Turn gas OFF at control knobs and LP cylinder.**
2. Remove cooking grate and heat tent.
3. Under grill remove grease cup, disconnect ignitor wire from burner.
4. Inside grill remove burner assembly (A), clean ceramic portion of electrode with rubbing alcohol and a swab.
5. Clean outside of burner with soap and water. Lay burner upside down on flat surface, insert garden hose to force water through tubes. Make sure water comes out of all burner holes. Open clogged holes with a thin wire. Shake out excess water and examine holes. Due to normal wear and corrosion some holes may become enlarged. If any large cracks or holes are found replace burner.
6. If grill is to be stored, coat burner lightly with cooking oil. Wrap in protective cover to keep insects out.
7. If not storing grill after cleaning, replace burner into grill bottom.
8. Check that the burners are not damaged. Because of normal wear and corrosion some holes may have enlarged. If you notice large cracks or large holes, replace the burner.

VERY IMPORTANT: Burner tubes must re-engage valve openings. See illustration (A).

9. Reattach ignitor wire to electrode.
10. Reposition heat tent and cooking grate. Reattach clean grease cup to grease clip.
11. Before cooking again on grill, perform a *"Leak Test"* and *"Burner Flame Check"*.

Correct burner-to-valve engagement





LIMITED WARRANTY

This warranty only applies to units purchased from an authorized retailer. Manufacturer warrants to the **original consumer-purchaser** only that this product shall be free from defects in workmanship and materials after correct assembly and under normal and reasonable home use for the periods indicated below beginning on the date of purchase*. The manufacturer reserves the right to require that defective parts be returned, postage and or freight pre-paid by the consumer for review and examination.

SCOPE OF COVERAGE	PERIOD OF COVERAGE	TYPE OF FAILURE COVERAGE
All Parts	1 year from date of purchase*	PERFORATION, MANUFACTURING, AND MATERIAL DEFECTS ONLY

*Note: A dated sales reciept WILL be required for warranty service.

The original consumer-purchaser will be responsible for all shipping charges for parts replaced under the terms of this limited warranty.

This limited warranty is applicable in the United States and Canada only, is only available to the original owner of the product and is not transferable. **Manufacturer requires proof of your date of purchase. Therefore, you should retain your sales slip or invoice.** Registering your product is not a substitute for proof of purchase and the manufacturer is not responsible for or required to retain proof of purchase records.

This limited warranty applies to the functionality of the product ONLY and does not cover cosmetic issues such as scratches, dents, corrosions or discoloring by heat, abrasive and chemical cleaners or any tools used in the assembly or installation of the appliance, surface rust, or the discoloration of stainless steel surfaces. **RUST is not considered a manufacturing or materials defect.**

This limited warranty will not reimburse you for the cost of any inconvenience, food, personal injury or property damage.

ITEMS MANUFACTURER WILL NOT PAY FOR:

1. Shipping cost, standard or expedited, for warranty and replacement parts
2. Service calls to your home.
3. Repairs when your product is used for other than normal, single-family household or residential use.
4. Damage, failures, or operating difficulties resulting from accident, alteration, careless handling, misuse, abuse, fire, flood, acts of God, improper installation or maintenance, installation not in accordance with electrical or plumbing codes, or use of products not approved by the manufacturer.
5. Any food loss due to product failures or operating difficulties.
6. Replacement parts or repair labor costs for units operated outside the United States or Canada.
7. Pickup and delivery of your product.
8. Repairs to parts or systems resulting from unauthorized modifications made to the product.
9. The removal and/or reinstallation of your product.

DISCLAIMER OF IMPLIED WARRANTIES and LIMITATION OF REMEDIES

Repair or replacement of defective parts is your exclusive remedy under the terms of this limited warranty. In the event of parts availability issues, the manufacturer reserves the right to substitute like or similar parts that are equally functional.

Manufacturer will not be responsible for any consequential or incidental damages arising from the breach of either this limited warranty or any applicable implied warranty, or for failure or damage resulting from acts of God, improper care and maintenance, grease fire, accident, alteration, replacement of parts by anyone other than Manufacturer, misuse, transportation, commercial use, abuse, hostile environments (inclement weather, acts of nature, animal tampering), improper installation or installation not in accordance with local codes or printed manufacturer instructions.

THIS LIMITED WARRANTY IS THE SOLE EXPRESS WARRANTY GIVEN BY THE MANUFACTURER. NO PRODUCT PERFORMANCE SPECIFICATION OR DESCRIPTION WHEREVER APPEARING IS WARRANTED BY MANUFACTURER EXCEPT TO THE EXTENT SET FORTH IN THIS LIMITED WARRANTY. ANY IMPLIED WARRANTY PROTECTION ARISING UNDER THE LAWS OF ANY STATE, INCLUDING IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE, IS HEREBY LIMITED IN DURATION TO THE DURATION OF THIS LIMITED WARRANTY.

Neither dealers nor the retail establishment selling this product has any authority to make any additional warranties or to promise remedies in addition to or inconsistent with those stated above. Manufacturer's **maximum liability**, in any event, shall not exceed the purchase price of the product paid by the original consumer.

NOTE: Some states do not allow an exclusion or limitation of incidental or consequential damages, so some of the above limitations or exclusions may not apply to you. This limited warranty gives you specific legal rights as set foth herein. You may also have other rights which vary from state to state. In the state of California only, if refinishing or replacement of the product is not commercially practicable, the retailer selling this product or the Manufacturer will refund the purchase price paid for the product, less the amount directly attributable to use by the original consumer-purchaser prior to discovery of the nonconformity. In addition, in the state of California only, you may take the product to the retail establishment selling this product in order to obtain performance under this limited warranty.

If you wish to obtain performance of any obligation under this limited warranty, you should write to:

Consumer Relations
P. O. Box 1240
Columbus, GA 31902-1240

Consumer returns will not be accepted unless a valid Return Authorization is first acquired. Authorized returns are clearly marked on the outside of the package with an RA number and the package is shipped freight/postage pre-paid. Consumer returns that do not meet these standards will be refused.

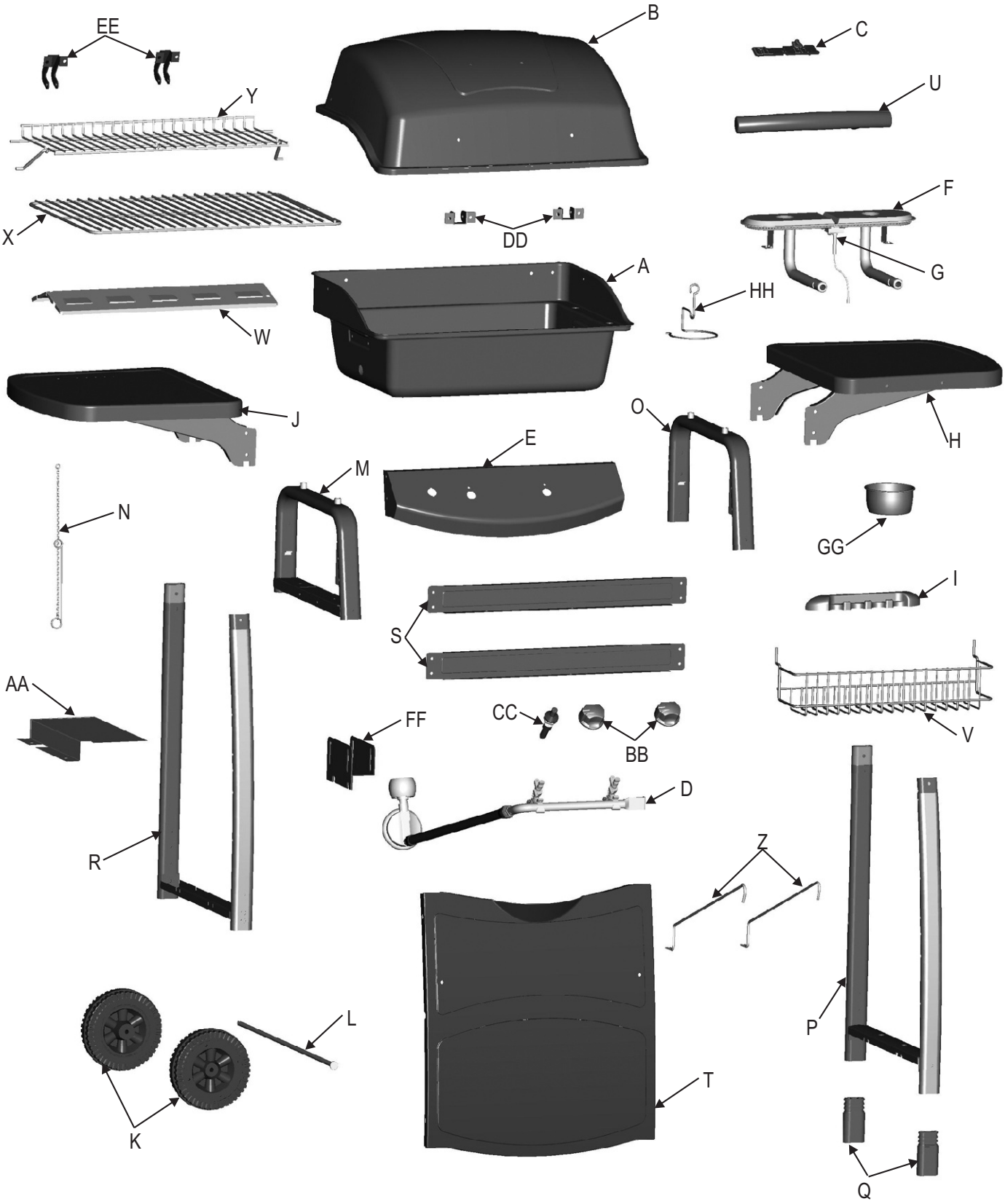
PARTS LIST

Key	Qty	Description
A	1	FIREBOX
B	1	LID
C	1	LOGO PLATE
D	1	HOSE VALVE REGULATOR ASSEMBLY
E	1	CONTROL PANEL
F	1	BURNER
G	1	ELECTODE/COLLECTOR BOX
H	1	SIDE SHELF, RIGHT
I	1	TOOL HOLDER, F/SIDE SHELF
J	1	SIDE SHELF, LEFT
K	2	WHEEL
L	1	AXLE ROD
M	1	CART LEG, UPPER LEFT
N	1	MATCH HOLDER
O	1	CART LEG, UPPER RIGHT
P	1	CART LEGS, LOWER RIGHT
Q	2	EXTENDER
R	1	CART LEGS, LOWER LEFT
S	2	BACK BRACE
T	1	FRONT PANEL
U	1	HANDLE
V	1	CONDIMENT BASKET
W	1	HEAT TENT
X	1	COOKING GRATE
Y	1	SWINGAWAY
Z	2	TANK EXCLUSION WIRE
AA	1	HEAT SHIELD, F/TANK
BB	2	KNOB
CC	1	IGNITOR
DD	2	LOWER HINGE
EE	2	UPPER HINGE
FF	1	TANK RETAINER BRACKET
GG	1	GREASE CUP
HH	1	GREASE CUP CLIP

NOT Pictured

…	1	HARDWARE PACK
…	1	ASSY INSTRUCTIONS, ENGLISH
…	1	ASSY INSTRUCTIONS, SPANISH

PARTS DIAGRAM

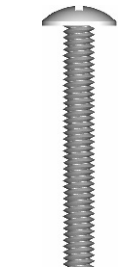


ASSEMBLY

1 **Left leg**

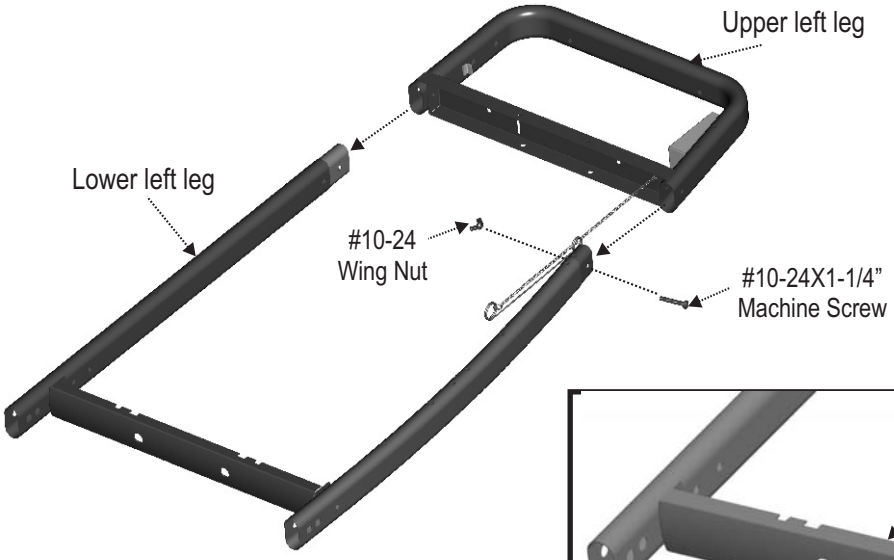
☐ Attach upper left leg onto lower left leg with **#10-24x1-1/4" machine screw** and **#10-24 wing nut**.

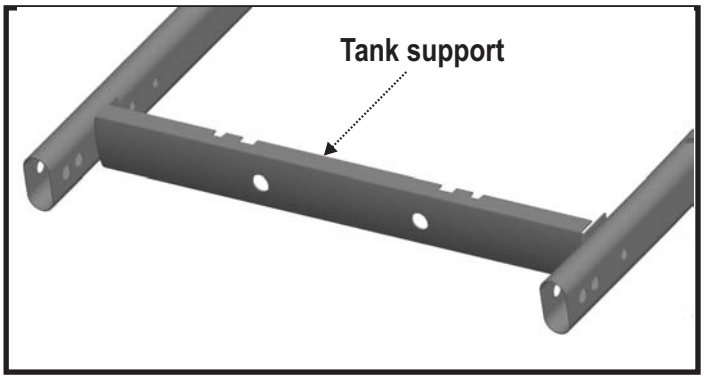
NOTE: Lower Left Leg has notches on tank support



#10-24X1-1/4"
Machine Screw
Qty. 1

#10-24
Wing Nut
Qty. 1



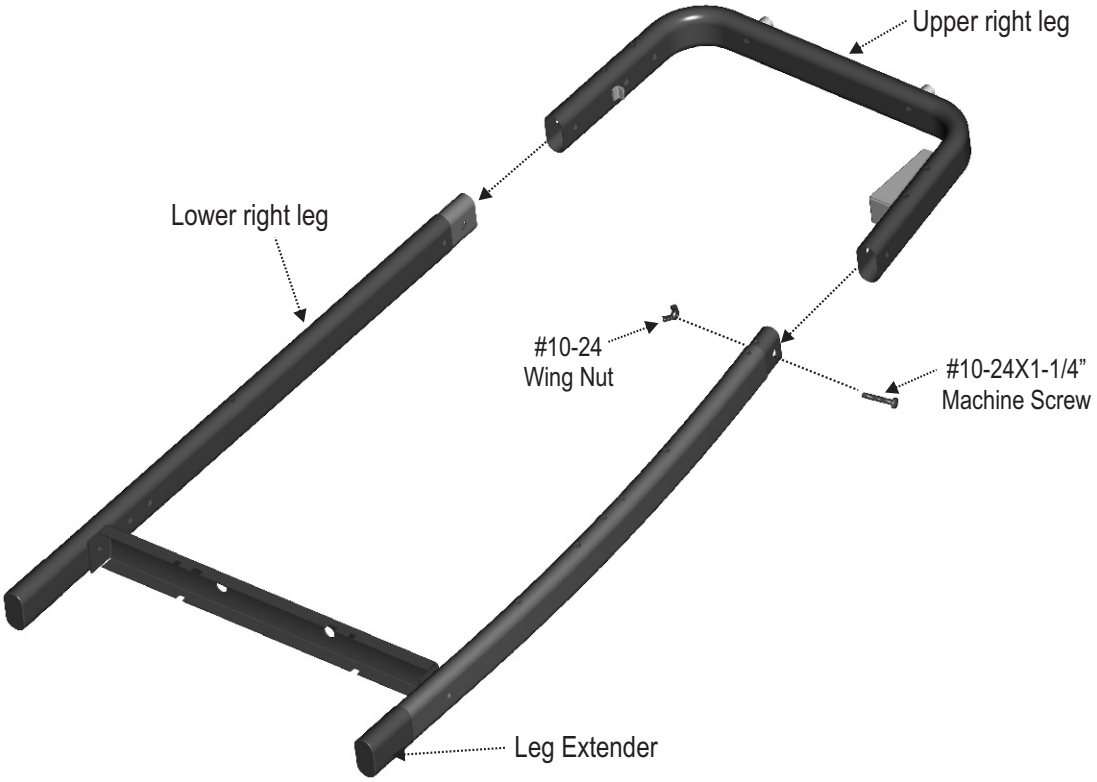


2 **Right Leg**

☐ Attach upper right leg onto lower right leg with **#10-24x1-1/4" machine screw** and **#10-24 wing nut**.

#10-24X1-1/4"
Machine Screw
Qty. 1

#10-24
Wing Nut
Qty. 1



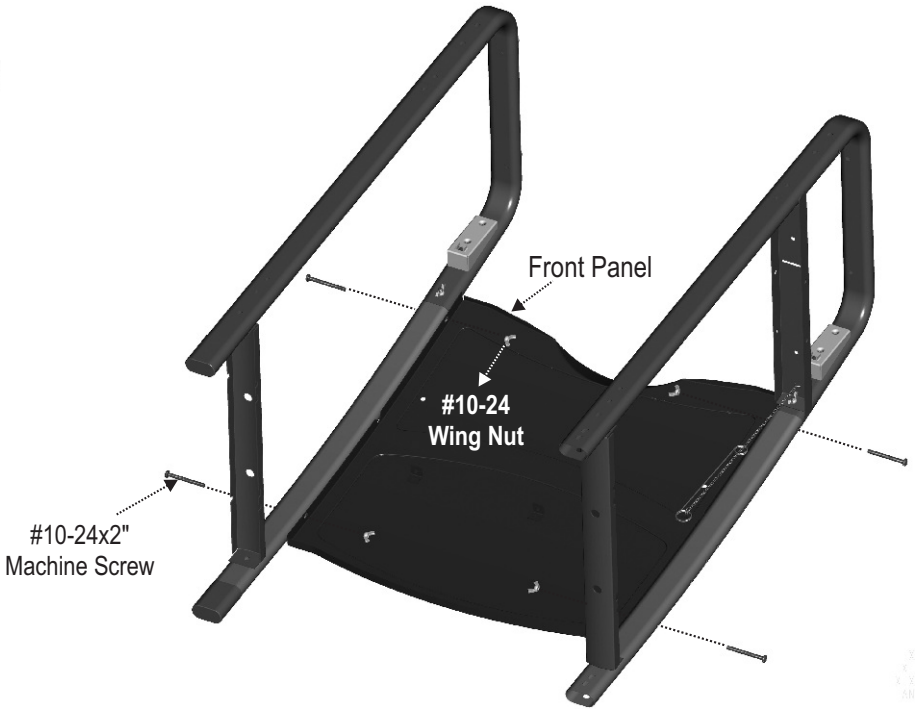
3 Front Panel

Lay front legs down on the floor

☐ Fit front panel between legs. Attach with **#10-24x2" machine screws** and **#10-24 wing nuts**.

#10-24x2"
Machine Screw
Qty. 4

#10-24
Wing Nut
Qty. 4



4 Back Braces to Cart

☐ Attach back braces with **#10-24x1-1/4" machine screws** and **#10-24 wing nuts**.

Wheels

☐ Turn assembly upside down.

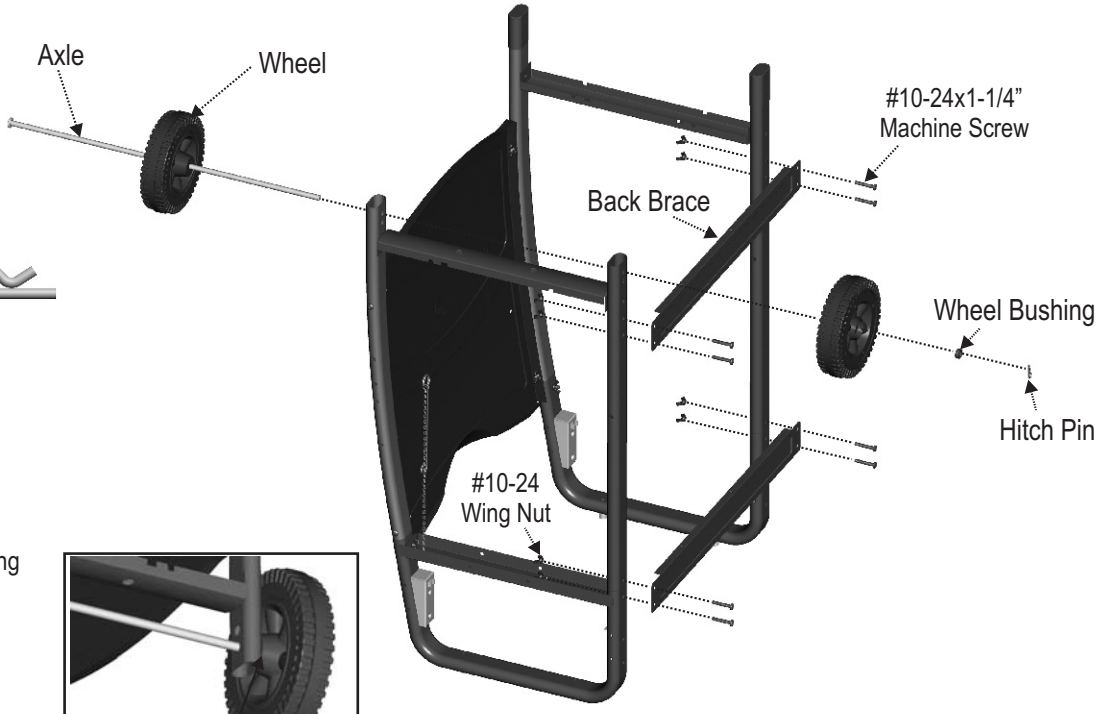
☐ Insert axle rod through wheel, legs and other wheel. Attach with a **wheel bushing** and **hitch pin**. Attach all in first hole.

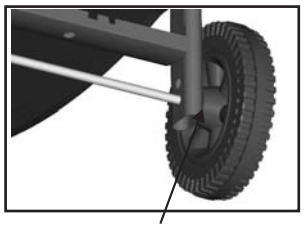
#10-24x1-1/4"
Machine Screw
Qty. 8

Hitch Pin
Qty. 1

#10-24
Wing Nut
Qty. 8

Wheel Bushing
Qty. 1





"Cone" side of wheel against leg

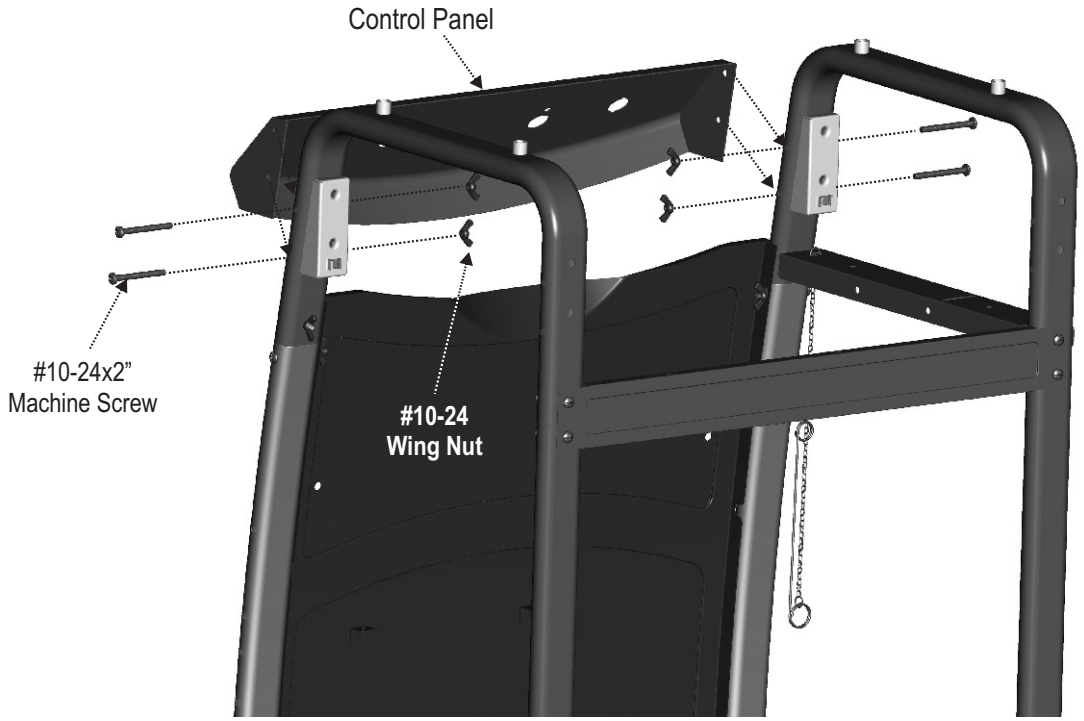
5 Control Panel

☐ Stand cart upright.

☐ In front, slide control panel between left and right legs, attach control panel with **#10-24X2" machine screws** and **#10-24 wing nuts**.

#10-24x2"
Machine Screw
Qty.4

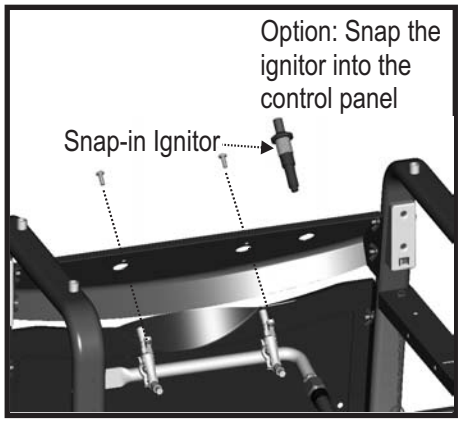
#10-24
Wing Nut
Qty.4



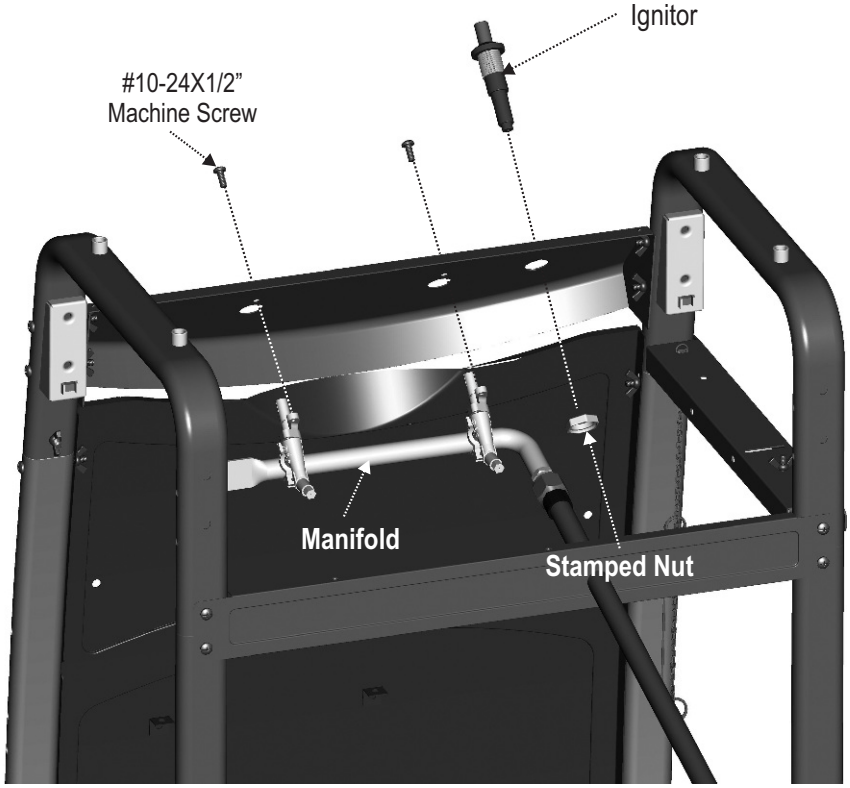
6 Manifold and Ignitor

☐ Attach manifold to control panel with **#10-24x1/2" machine screws**.

☐ Attach ignitor to control panel using the stamped nut that's provided. NOTE: if your grill comes with Snap-in ignitor, please see Option.

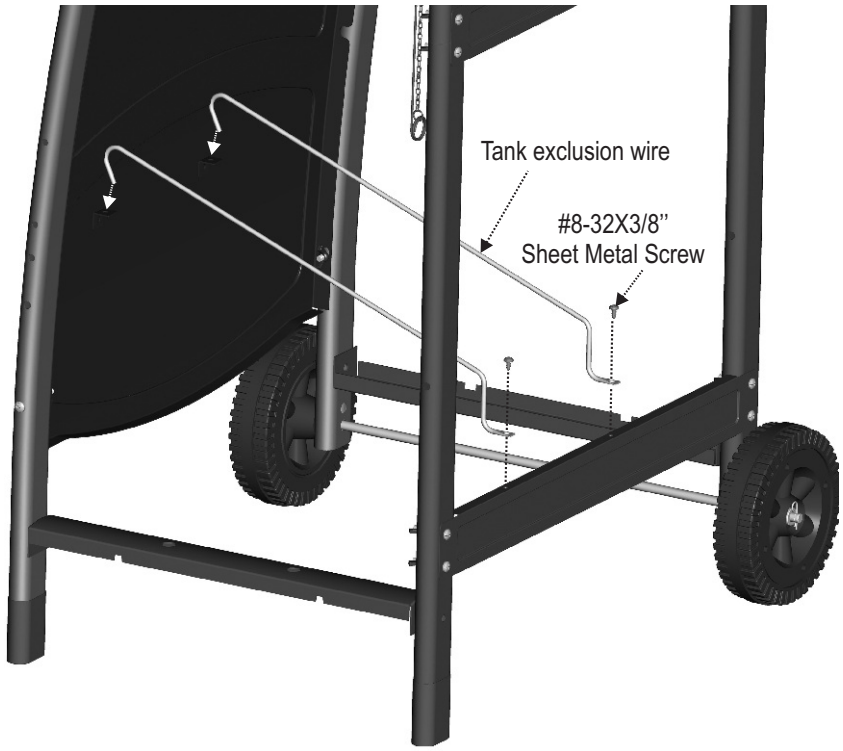


#10-24X1/2"
Machine Screw
Qty.2



7 Tank exclusion wire

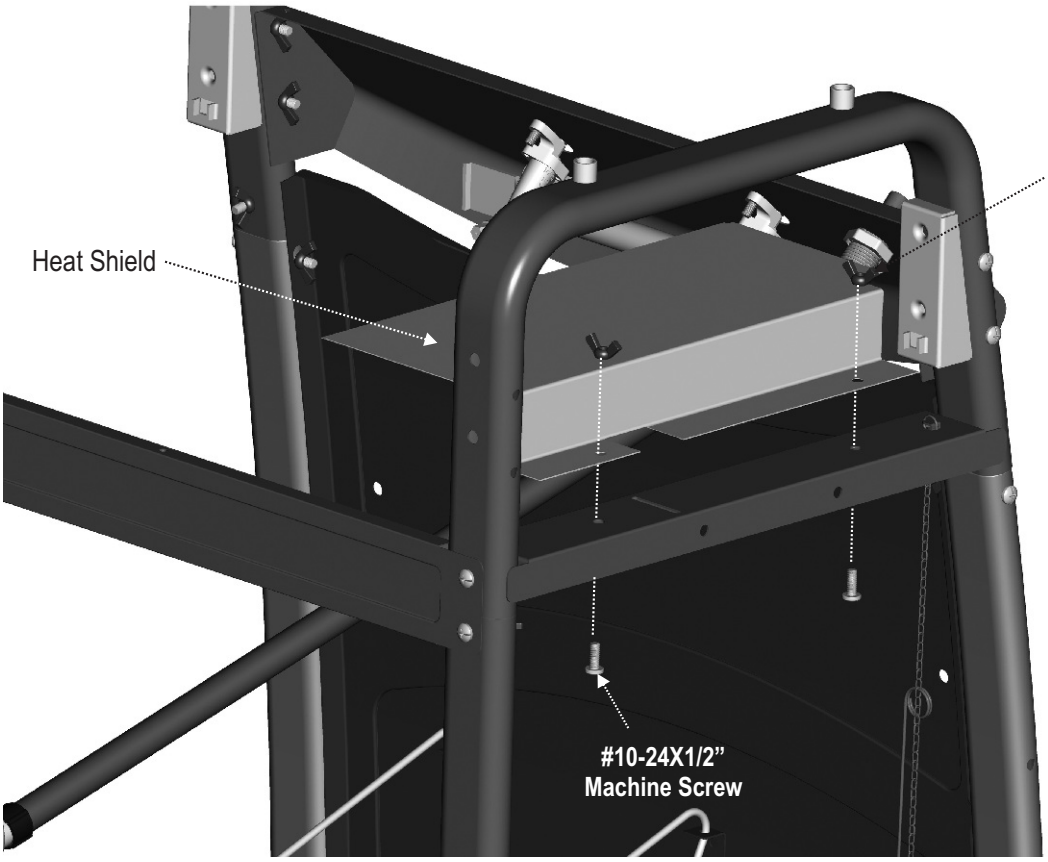
☐ Hook tank exclusion wires onto front panel brackets, secure other end to back brace using **#8-32X3/8" Sheet metal screws**.



#8-32X3/8"
Sheet Metal Screw
Qty.2

8 Heat Shield

☐ Attach heat shield with **#10-24x1/2" machine screws** and **#10-24 wing nuts**.

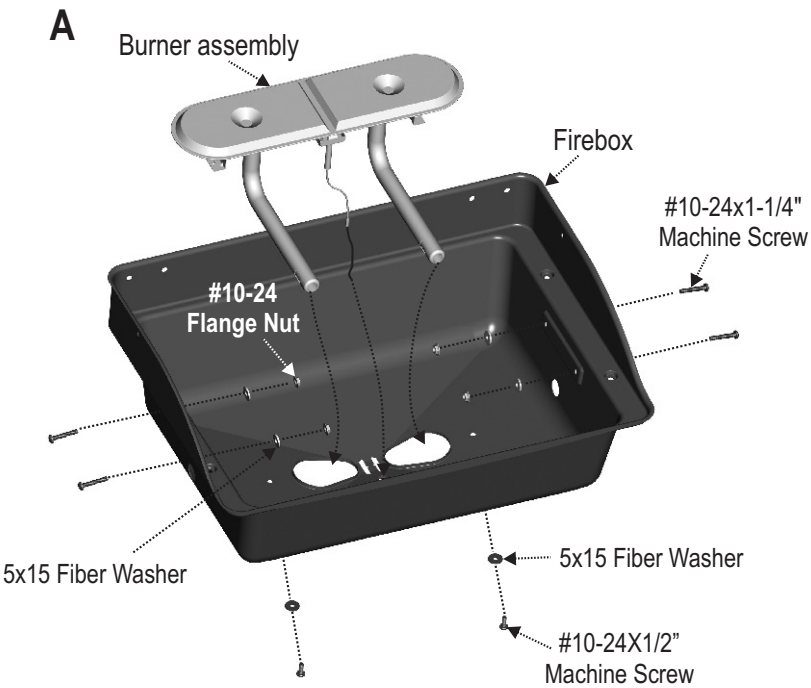


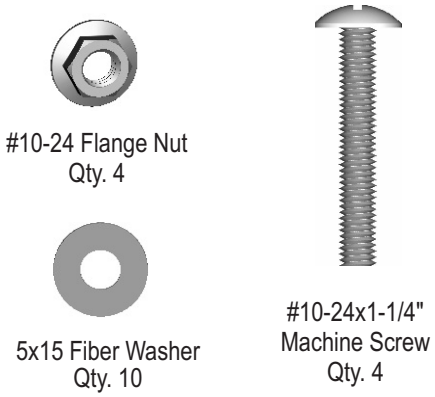
#10-24
Wing Nut
Qty.2

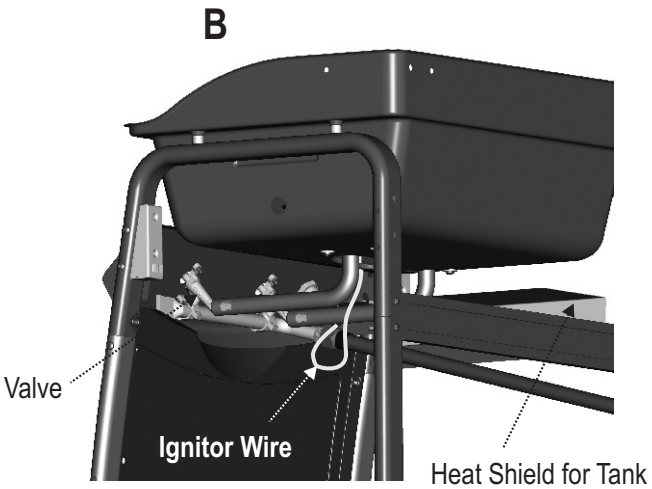
#10-24X1/2"
Machine Screw
Qty.2

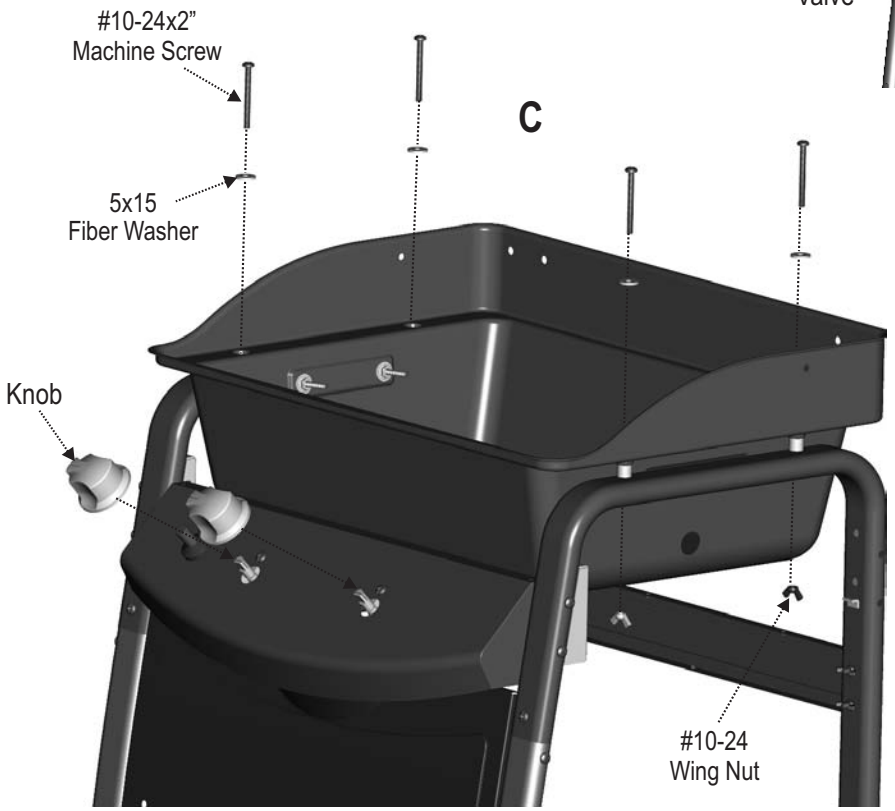
9 Burner, Firebox and Control Knob

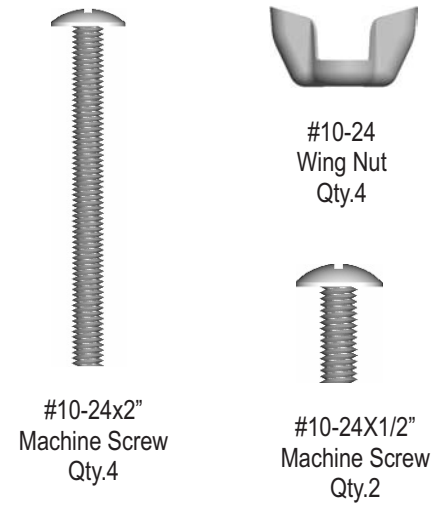
- ☐ Place burner assembly into firebox. Fasten the burner assembly to the firebox using 5x15 Fiber washers and #10-24x1/2'' Machine screws. Insert #10-24x1-1/4'' Machine screws from outside the firebox, then fasten with #10-24 Flange nuts and 5x15 Fiber washers from the inside (A).
- ☐ Place firebox on cart. Make sure burner tubes are correctly engaged with valves. Attach ignitor wire to ignitor (B).
- ☐ Attach firebox with #10-24x2'' Machine screws, 5x15 Fiber washers and #10-24 Wing nuts (C) .
- ☐ Push control knobs onto valve stems (C).





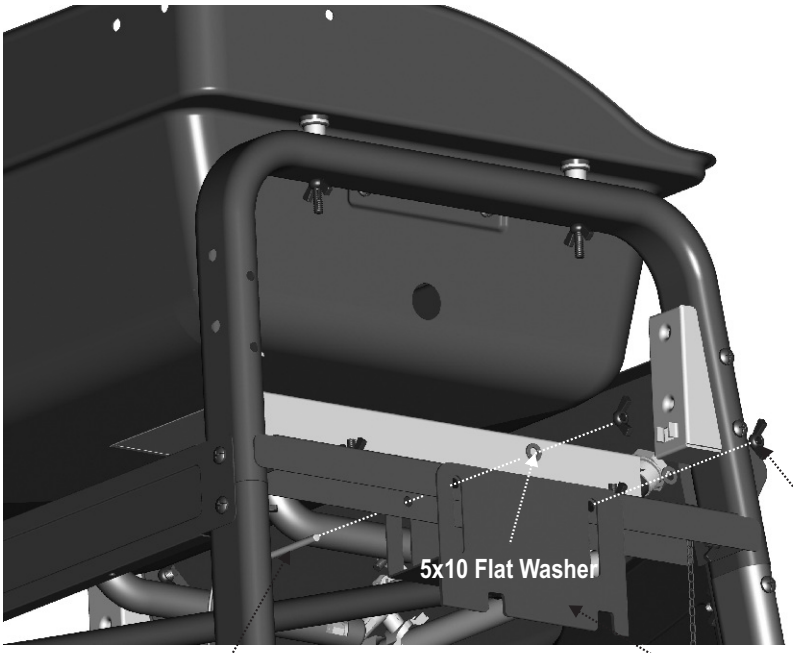






10 Tank Retainer

☐ Insert tank retainer into side brace and secure with **#10-24X2-1/8" carriage bolt**, **#10-24 wing nuts** and **5x10 flat washers** .



#10-24x2-1/8"
Carriage Bolt
Qty. 2

#10-24
Wing Nut
Qty. 2

5x10 Flat Washer
Qty. 2

11 Shelves

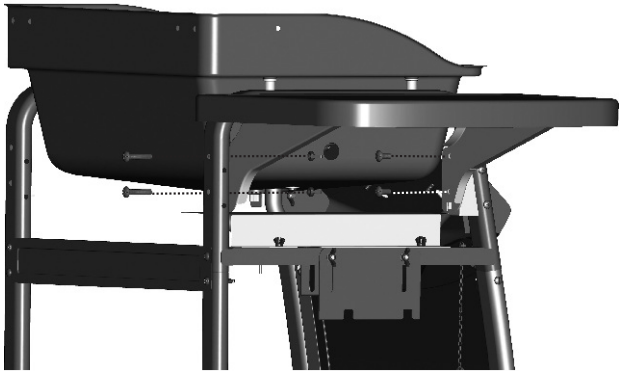
☐ Attach mounting brackets to front of leg with **1/4"-20x1/2" machine screws** and to the back of the leg with **1/4"-20X1-1/4" machine screws** and **1/4"-20 wing nuts**.

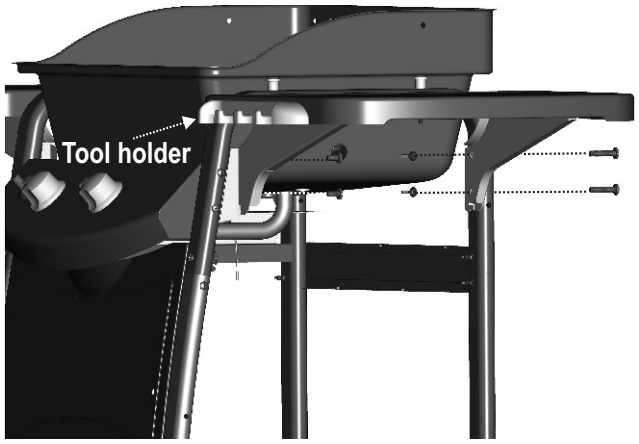
☐ Repeat above step for other shelf.

NOTE: Right side shelf has tool holder face front.

1/4"-20 Wing nut
Qty. 4

1/4"-20X1/2"
Machine screw
Qty. 4

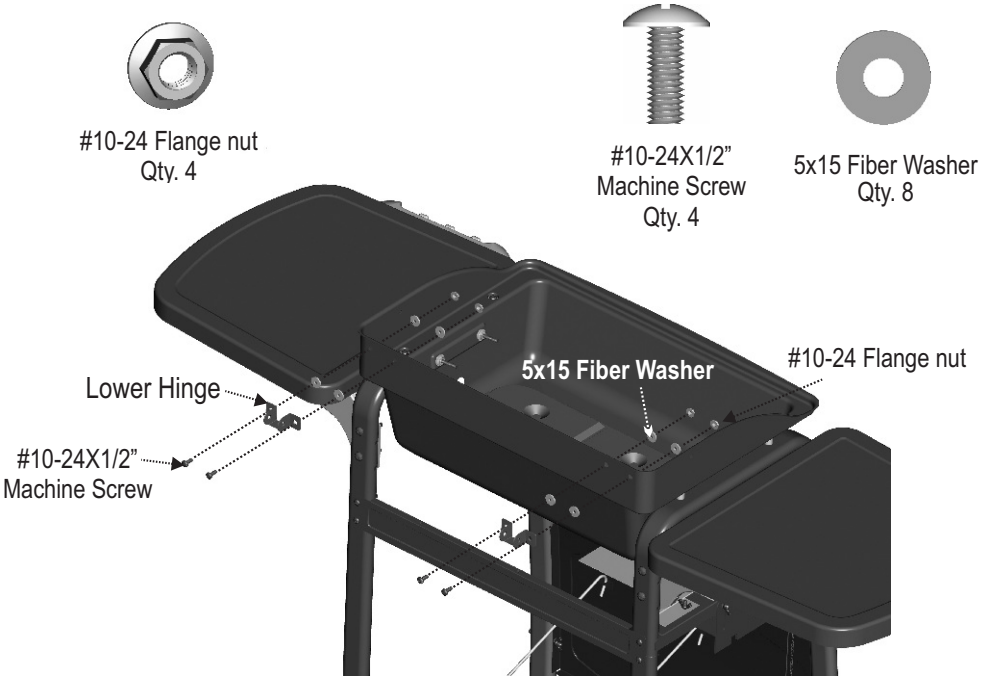


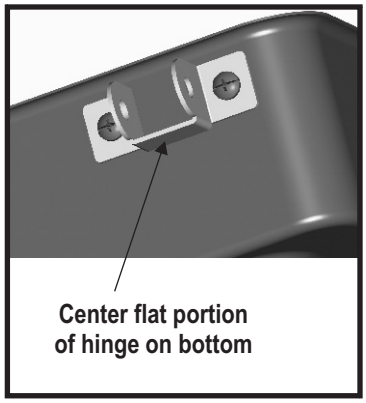


1/4"-20x1-1/4"
Machine screw
Qty. 4

12 Lower Hinges

☐ Attach lower hinges to back of firebox using **#10-24x1/2" machine screws**, **5x15 fiber washers** and **#10-24 flange nuts**. The center flat portion of the hinge should be at the bottom (see inset).

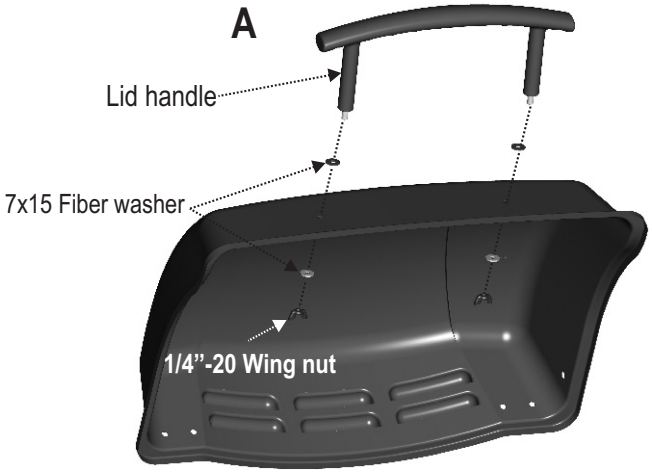


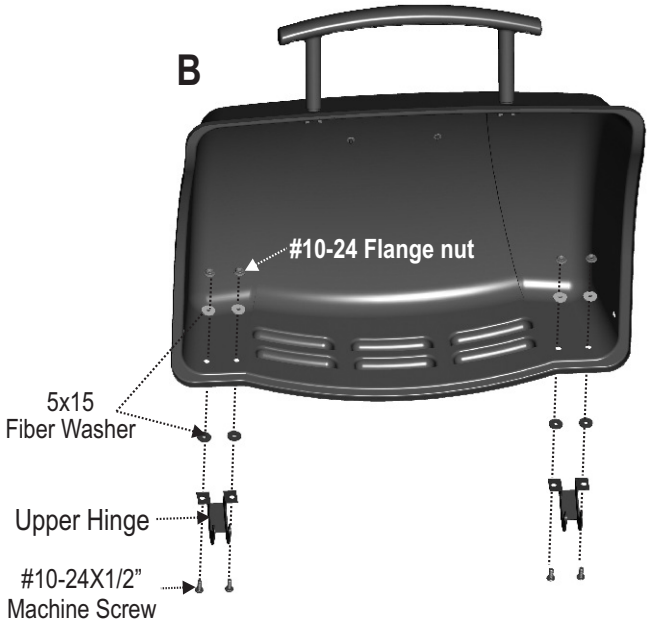


13 Lid Handle and Upper Hinges

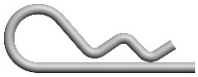
☐ Attach handle to lid with **7X15 fiber washers** and **1/4"-20 wing nuts**(A).

☐ Attach upper hinges to back of lid using **#10-24x1/2" machine screws**, **5x15 fiber washers** and **#10-24 flange nuts**. Hinge should curve downward when properly installed (B).



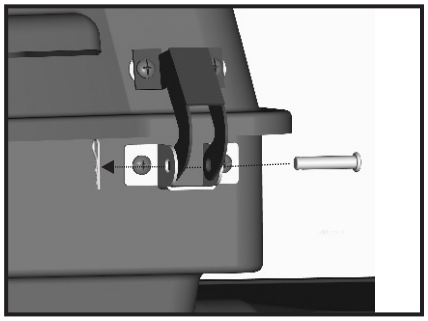


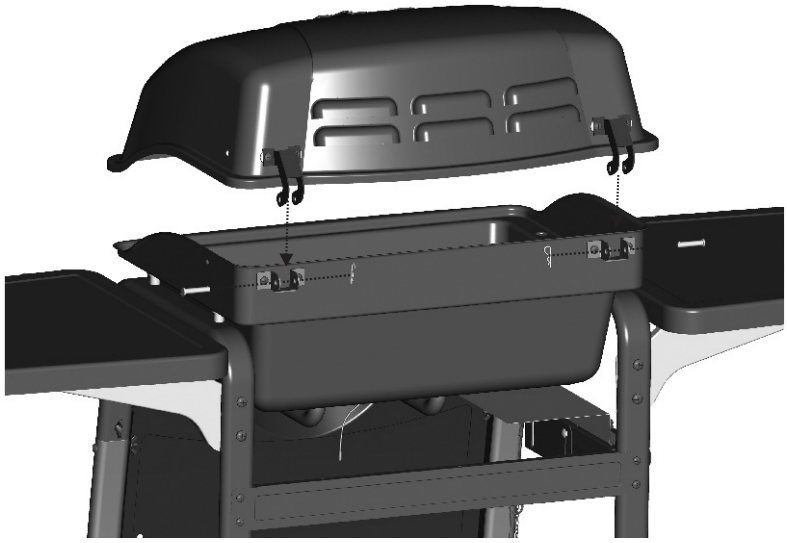
14 Place lid assembly onto firebox, aligning hinges. Hinges on lid fit inside hinges on firebox. Secure using **two hinge pins** and **hitch pins**.



Hitch Pin
Qty. 2

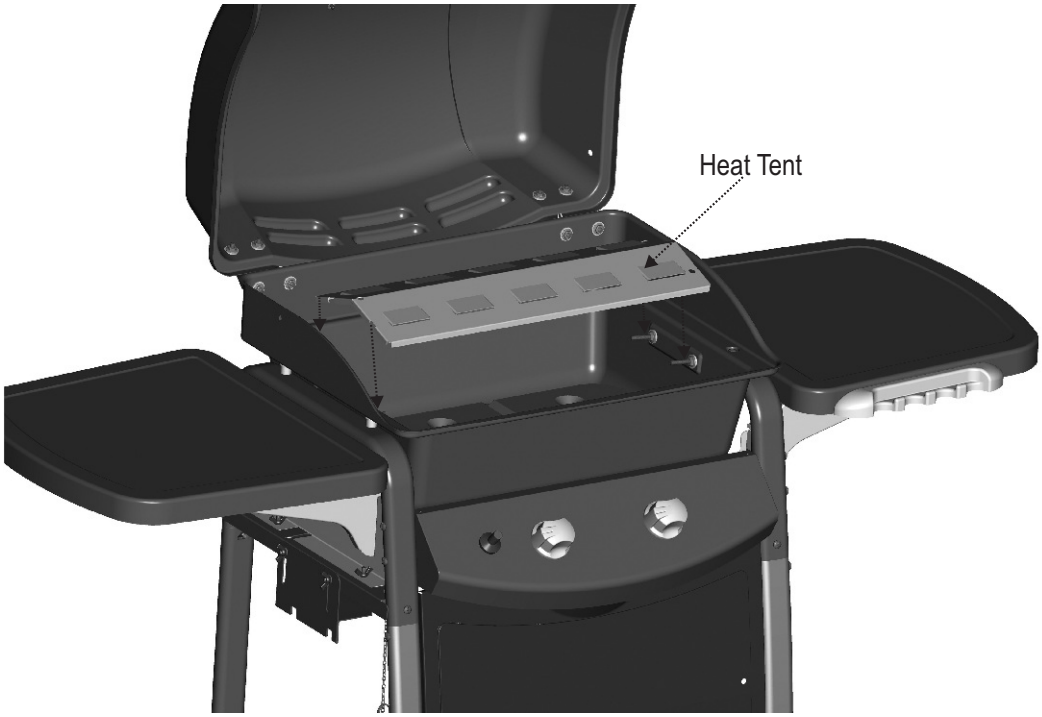
Hinge Pin
Qty. 2





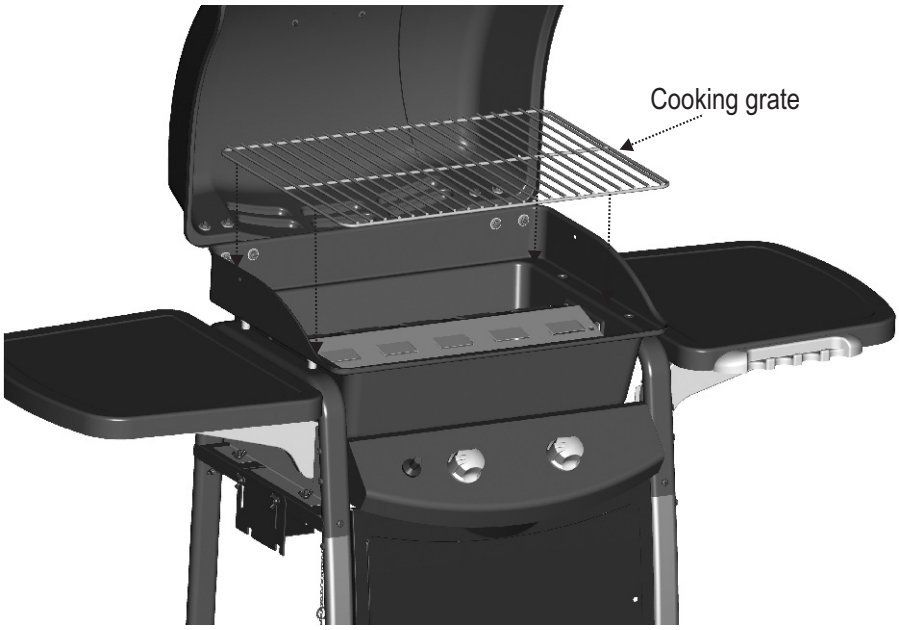
15 **Heat Tent**

☐ Place heat tent inside firebox onto support screws.



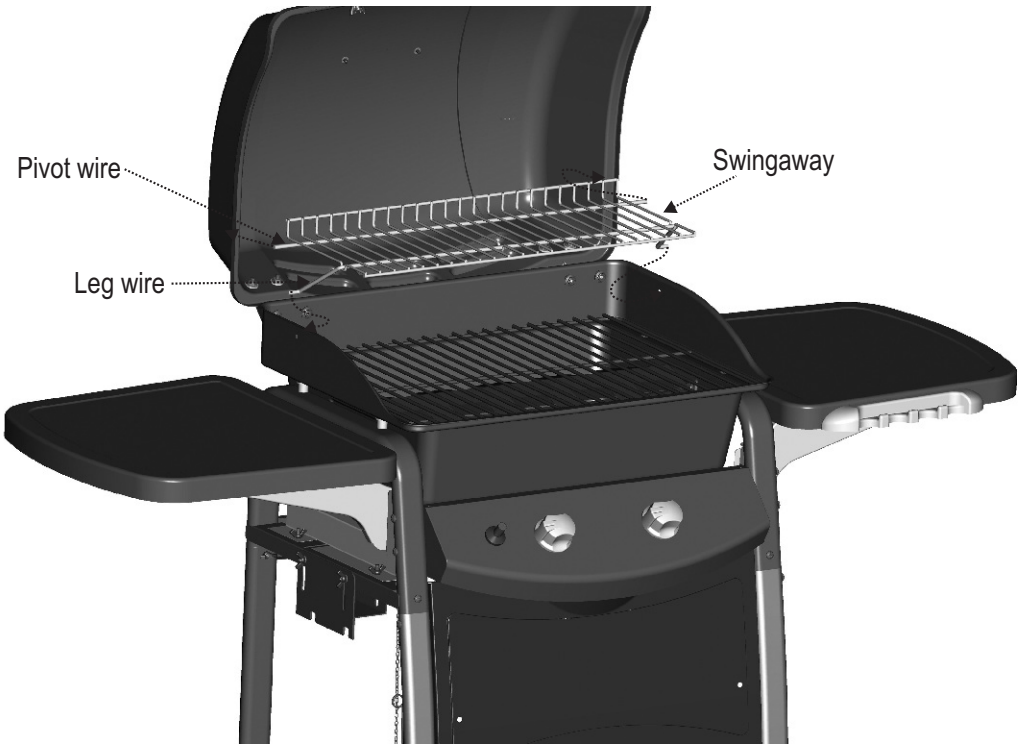
16 Cooking Grate

☐ Place cooking grate onto firebox.



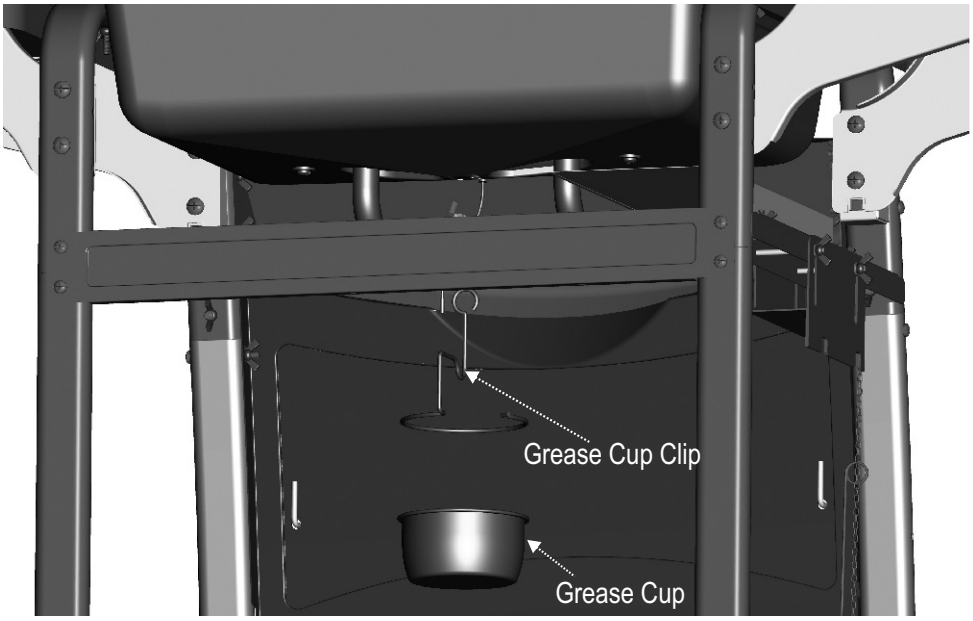
17

Insert ends of Swing Away pivot wire into holes in sides of grill lid. Insert ends of Swing Away leg wire into holes in sides of firebox. NOTE: Pivot and leg wires, running side-to-side, should be under wires running front-to-back. If pivot and leg wires are on top, swing away is installed upside-down.



18 Attach condiment basket to front panel as shown below.

19 Hang grease cup clip from bottom of firebox and place grease cup into grease cup clip.



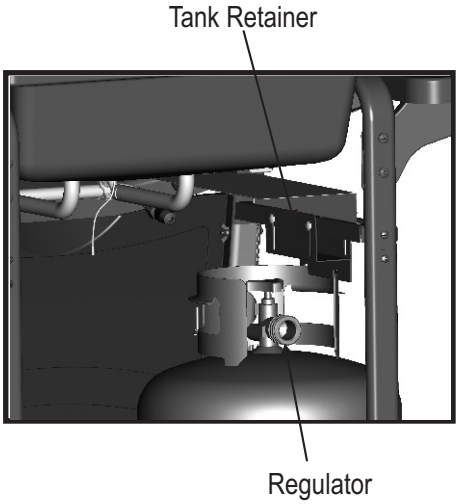
CAUTION

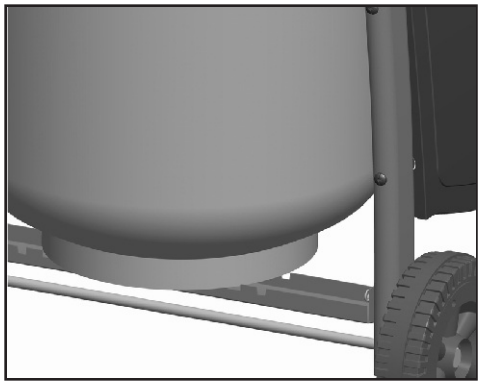
Failure to install grease cup clip and cup will cause hot grease to drip from bottom of grill with risk of fire or property damage.

20 Tank collar opening must face to front of grill. Loosen wing nuts from tank retainer bracket. Set bottom of tank into notches of tank bracket. Place tank retainer bracket onto tank collar and tighten wing nuts.

LP CYLINDER IS SOLD SEPARATELY. Fill and leak check the cylinder before attaching to grill and regulator (see Use & Care section). Once cylinder has been filled and leak checked, place cylinder into notches in tank support bracket.**Make sure cylinder valve is facing front of grill. See Use & Care section of this manual to perform the "Burner Flame Check" and for important safety instructions before using.**

Always keep LP cylinders in upright position during use, transport, and storage.





Correctly Installed LP cylinder

CAUTION

Cylinder valve must face to front of cart once tank is attached. Failure to install cylinder correctly may allow gas hose to be damaged in operation, resulting in the risk of fire.

EMERGENCIES: If a gas leak cannot be stopped, or a fire occurs due to gas leakage, call the fire department.

Emergencies	Possible Cause	Prevention/Solution
Gas leaking from cracked/cut/burned hose.	•Damaged hose.	•Turn off gas at LP cylinder or at source on natural gas systems. If anything but burned, replace valve/hose/regulator. If burned, discontinue use of product until a plumber has investigated cause and corrections are made.
Gas leaking from LP cylinder.	•Mechanical failure due to rusting or mishandling.	•Replace LP cylinder.
Gas leaking from LP cylinder valve.	• Failure of cylinder valve from mishandling or mechanical failure.	• Turn off LP cylinder valve. Return LP cylinder to gas supplier.
Gas leaking between LP cylinder and regulator connection.	•Improper installation, connection not tight, failure of rubber seal.	•Turn off LP cylinder valve. Remove regulator from cylinder and visually inspect rubber seal for damage. See LP Cylinder Leak Test and Connecting Regulator to the LP Cylinder.
Fire coming through control panel.	• Fire in burner tube section of burner due to blockage.	•Turn off control knobs and LP cylinder valve. Leave lid open to allow flames to die down. After fire is out and grill is cold, remove burner and inspect for spider nests or rust. See Natural Hazard and Cleaning the Burner Assembly pages.
Grease fire or continuous excessive flames above cooking surface.	• Too much grease buildup in burner area.	• Turn off control knobs and LP cylinder valve. Leave lid open to allow flames to die down. After cooling, clean food particles and excess grease from inside firebox area, grease cup, and other surfaces.

Troubleshooting

Problem	Possible Cause	Prevention/Solution
Burner(s) will not light using ignitor. *Continued on next page.*	**GAS ISSUES:** • Trying to light wrong burner.	• See instructions on control panel and in Use and Care section.
	• Burner not engaged with control valve.	• Make sure valves are positioned inside of burner tubes.
	• Obstruction in burner.	• Ensure burner tubes are not obstructed with spider webs or other matter. See cleaning section of Use and Care.
	• No gas flow.	• Make sure LP cylinder is not empty. If LP cylinder is not empty, refer to “Sudden drop in gas flow.”
	• Vapor lock at coupling nut to LP cylinder.	• Turn off knobs and disconnect coupling nut from LP cylinder. Reconnect and retry.
	• Coupling nut and LP cylinder valve not fully connected.	• Turn the coupling nut approximately one-half to three-quarters additional turn until solid stop. Tighten by hand only - do not use tools.
	ELECTRICAL ISSUES: •Electrode cracked or broken; “sparks at crack.”	• Replace electrode(s).
	•Electrode tip not in proper position.	Main Burners: • Tip of electrode should be pointing toward gas port opening on burner. The distance should be 1/8” to 1/4”. Adjust if necessary. Sideburner (if featured): • Tip of electrode should be pointing toward gas port opening on burner. the distance should be 1/8” to 3/16”. Adjust if necessary.
	•Wire and/or electrode covered with cooking residue.	•Clean wire and/or electrode with rubbing alcohol and clean swab.
	•Wires are loose or disconnected.	•Reconnect wires or replace electrode/wire assembly.
	•Wires are shorting (sparking) between ignitor and electrode.	•Replace ignitor wire/electrode assembly.

Troubleshooting (*continued*)

Problem	Possible Cause	Prevention/Solution
Burner(s) will not light using ignitor.	**PIEZO PUSH-BUTTON AND ROTARY:** •Push-button sticks at bottom. •Rotary knob rotates without clicking. •Sparking between ignitor and electrode.	 •Replace ignitor. •Replace knob. •Inspect wire insulation and proper connection. Replace wires if insulation is broken.
Burner(s) will not match light.	•See **"GAS ISSUES:"** on previous page. •Match will not reach. •Improper method of match-lighting.	 •Use long-stem match (fireplace match). •See "Match-Lighting" section of Use and Care.
Low flame, drop in gas flow.	•Out of gas. •Excess flow valve tripped. •Vapor lock at coupling nut/LP cylinder connection.	•Check for gas in LP cylinder. •Turn off control and tank knobs, wait 30 seconds, turn tank knob on slowly, light grill. If flames are still low, turn off control and tank knobs and disconnect regulator. Reconnect regulator, turn tank knob on slowly, light grill. •Turn off control and tank knobs and disconnect regulator. Reconnect regulator, turn on tank knob slowly, light grill.
Flames blow out.	•High or gusting winds. •Low on LP gas. •Excess flow valve tripped.	•Turn front of grill to face wind or increase flame height. •Refill LP cylinder. •Refer to "Sudden drop in gas flow" above.
Flare-up.	•Grease buildup. •Excessive fat in meat. •Excessive cooking temperature.	•Clean burners and inside of grill/firebox. •Trim fat from meat before grilling. •Adjust (lower) temperature accordingly.
Persistent grease fire.	•Grease trapped by food buildup around burner system.	•Turn knobs to OFF. Turn gas off at LP cylinder. Leave lid in position and let fire burn out. After grill cools, remove and clean all parts.
Flashback... (fire in burner tube(s)).	•Burner and/or burner tubes are blocked.	•Turn knobs to OFF. Clean burner and/or burner tubes. See burner cleaning section of Use and Care.
Unable to fill LP cylinder.	•Some dealers have older fill nozzles with worn threads.	•The worn nozzles don't have enough "bite" to engage the valve. Try a second LP dealer.

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Address (number and street)/**Dirección** (número y calle)/**Adresse** (numéro et rue) **Apt Number/Nº de apart./Nº d'appt.**

City/Ciudad/Ville **State/Estado/Province** **Zip Code/Código Zip/Code postal**

2 **E-mail Address/Dirección de correo electrónico/Adresse électronique**

If you voluntarily provide us with your email address, you give us permission to use your email address to send you offers that may interest you.
Si nos informa voluntariamente su dirección de correo electrónico, nos da permiso para usarlo a fin de enviarle ofertas que pueden interesarle.
Si vous choisissez de nous fournir votre adresse électronique, vous nous donnez la permission de l'utiliser pour vous faire part d'offres spéciales susceptibles de vous intéresser.

(Example: your name @ your host.com) *(Ejemplo: su nombre@su host.com)* *(Exemple : votre nom@votre hôte.com)*

3 **Phone Number/Número telefónico/Numéro de téléphone**

4 **IMPORTANT!/¡IMPORTANTE!/IMPORTANT!**
Write Serial Number and Model Number in spaces below.
Escriba en los espacios de abajo el número de serie y el número de modelo.
Inscrivez le numéro de série et le numéro de modèle dans les espaces ci-dessous.

6 **Date of Purchase/Fecha de compra/Date de l'achat**

7 **Store Name/Nombre de la tienda/Nom du magasin**

8 **Purchase Price/Precio de compra/Prix d'achat**
$ .00

5 **Your Gender/Sexo/Sexe :** 1. ☐ Male/Masculino/Masculin 2. ☐ Female/Femenino/Féminin

9 **Which product are you registering?**
¿Qué producto está registrando?
Quel produit enregistrez-vous?
1. ☐ Gas Grill/Parrilla a gas/Gril au gaz
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4. ☐ Charcoal Grill/Parrilla a carbón/Barbecue au charbon
5. ☐ Charcoal Smoker/Ahumador a carbón/Fumoir au charbon
6. ☐ Outdoor Fireplace/Chimenea para exteriores/Foyer extérieur
7. ☐ Cooker/Fryer / Cocina/freidora / Cuiseur/Friteuse
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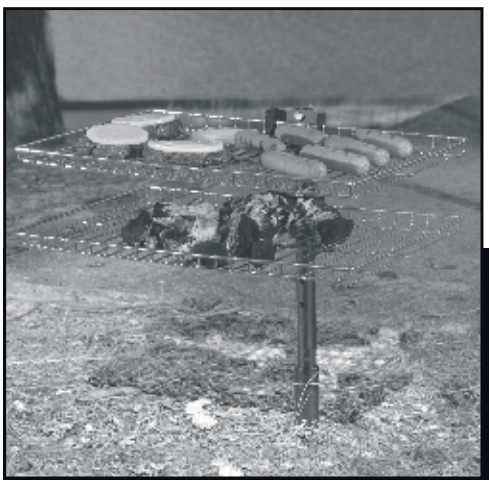
10 **Attach copy of your sales receipt here**
Adjunte aquí la copia de su recibo de compra
Veuillez attacher une copie de votre reçu ici.

Thank you for completing this questionnaire. Your answers will help us and other companies reach you with offers that may interest you. If you prefer not to receive these offers, please check here ☐.

Gracias por completar este cuestionario. Sus respuestas nos ayudarán, a nosotros y a otras compañías, a llegar a usted con ofertas que puedan resultarle de interés. Si prefiere no recibir estas ofertas, por favor marque aquí ☐.

Merci d'avoir bien voulu remplir ce questionnaire. Vos réponses nous aideront et aideront d'autres compagnies à vous communiquer des of fres spéciales susceptibles de vous intéresser. Si vous préférez ne pas recevoir d'informations concernant ces of fres spéciales, veuillez cocher ici ☐.



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